

## REMARKS

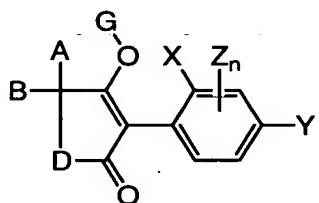
Applicants gratefully acknowledge the indication that Claims 6-11 are allowed and that Claims 5 and 17-23 are objected to as being dependent upon a rejected base claim but would be allowable if rewritten in proper independent form. **Because** *Reqd 4  
6/1/04* Applicants maintain for the reasons set forth below that Claim 1 should also be allowed and therefore have not amended Claims 5 and 17-23 as kindly suggested by the Examiner.

### Rejection under 35 U.S.C. 103

Claims 1-4, 12, 14, and 15 stand rejected under 35 U.S.C. 103(a) as being unpatentable over the admitted prior art disclosed at page 5 of their specification and EP 528,156 (which corresponds to U.S. Patent 5,262,383). Applicants respectfully traverse.

Applicants first acknowledge the Examiner's request under 37 C.F.R. 1.105 (see page 4 of the Final Office Action) for documents from the EP application that corresponds to EP 528,156 and discloses the compound identified as compound I-a-79. Applicants enclose a copy of the correspondence (in German) from Bayer AG to the European Patent Office dated April 29, 1994 (with a date stamp of May 2, 1994) and accompanying "Enclosure 3." Compound I-a-79 is specifically identified at page 3 of Enclosure 3.

As pointed out in Applicants' previous Response dated December 1, 2003, EP 528,156 discloses insecticidally, acaricidally, herbicidally, and fungicidally active 3-aryl-4-hydroxy- $\Delta^3$ -dihydrofuranones having a very broadly defined scope within the general formula



in which the various substituents are defined as shown in the U.S. '383 counterpart at columns 1-2 and elsewhere. Among the multitude of compounds disclosed in the European application are those in which A and B together represent a spiro cycle that is optionally substituted. Among the many possible disclosed substituents for such spiro moieties are halogenoalkyl groups such as the trifluoromethyl group. E.g.,

U.S. '383 at column 10, lines 26-32, column 12, lines 7-14, and column 13, lines 61-69. As previously pointed out, however, the cited patent does not provide biological data for compounds having trifluoromethyl substitution and does not suggest that compounds having trifluoromethyl substitution would exhibit significantly different properties from any other disclosed compound.

Applicants previously pointed out that they had compared compounds of their invention with known compounds that differ only in having methyl-substituted cyclohexyl spiro groups instead of trifluoromethyl-substituted cyclohexyl spiro groups and found that in every case their trifluoromethyl-substituted compounds exhibit significantly greater activity than the corresponding methyl-substituted compounds of the prior art. The Final Office Action, however, discounted such data as not comparing the closest prior art represented by compound I-a-79 of EP 528,156.

Applicants therefore provide direct comparative data in the form of a Declaration under 37 C.F.R. 1.132 of Dr. Christian Arnold. Dr. Arnold's Declaration compares the pesticidal activity of compound I-a-79 of EP 528,156 in several tests with trifluoromethyl-substituted compounds of the invention I-2-a-3 (Myzus dip test, *Aphis gossypii* systemic test, *Tetranychus* dip test, and *Tetranychus* systemic test), I-2-a-1 (*Aphis gossypii* systemic test), and I-2-a-2 (*Tetranychus* systemic test). All three of Applicants' trifluoromethyl-substituted compounds exhibited significantly improved activity compared to compound I-a-79 of EP 528,156. Applicants therefore respectfully submit that they have presented comparative test data consistent with the patentability of their claimed compounds under the principles set forth in *U.S. v. Adams*, 383 U.S. 39, 148 U.S.P.Q. 479 (1966); *Ex parte Strobel and Catino*, 160 U.S.P.Q. 352 (P.O. Bd. App. 1968); *In re Baird*, 29 U.S.P.Q.2d 1550, 1552 (Fed. Cir. 1994); and other such decisions (as discussed in Applicants' previous Response at pages 20-21).

Applicants therefore respectfully submit that their Claims 1-4, 12, 14, and 15 are not rendered obvious by EP 528,156.

In view of the preceding amendments and remarks, allowance of the claims is respectfully requested.

Respectfully submitted,

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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicants : Reiner Fischer, et al.  
Serial No. : 10/088,979  
Filed : March 26, 2002  
For : TRIFLUOROMETHYL SUBSTITUTED SPIROCYCLIC  
KETOENOLS  
Group Art Unit : 1616  
Examiner : Powers, Fiona

**DECLARATION**

Dr. Christian Arnold hereby declares:

- that he is a biologist having studied at the University of Bonn, Germany;
- that he received his diploma's degree in biology at the University of Bonn in 1996;
- that he received his doctor's degree in agriculture at the University of Bonn in 2003;
- that he entered the employ of Aventis CropScience in 2001 (the aquisition of Aventis CropScience by Bayer in 2002 lead to Bayer CropScience);
- that he has specialized in plant protection (entomology);

that the following tests have been carried out under his supervision and direction.

Example A

**Myzus test (dip test)**

Solvent: 7 parts by weight of dimethylformamide

Emulsifier: 2 part by weight of alkylaryl polyglycolether

To produce a suitable preparation of active compound, 1 part by weight of active compound is mixed with the stated amount of solvent and emulsifier, and the concentrate is diluted with emulsifier-containing water to the desired concentration.

Cabbage leaves (*Brassica oleracea*) which are heavily infested by the green peach aphid (*Myzus persicae*) are treated by being dipped into the preparation of the active compound of the desired concentration.

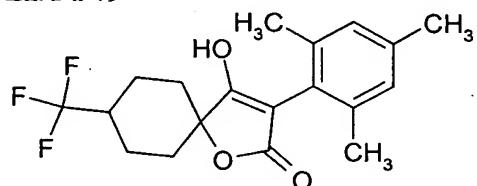
After the specified period of time, mortality in % is determined. 100 % means that all the aphids have been killed; 0 % means that none of the aphids have been killed.

In this test, for example, the following compounds from the preparation examples show a superior level of activity compared to the prior state of the art:

## Tabelle A

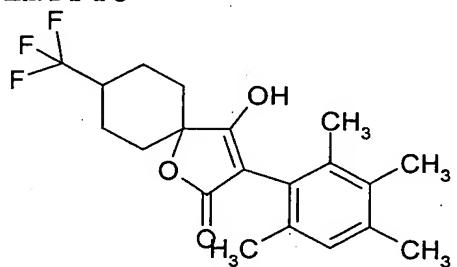
plant damaging insects  
Myzus -Test (dip test)

active compound	active compound- concentration in ppm	mortality in % after 7d
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**Ex. I-a-79**

20 70

known from EP-A-528156

**Ex. I-2-a-3**

20 85

according to the invention

Example B

**Aphis gossypii test (systemic test)**

Solvent: 7 parts by weight of dimethylformamide

Emulsifier: 2 part by weight of alkylaryl polyglycolether

To produce a suitable preparation of active compound, 1 part by weight of active compound is mixed with the stated amount of solvent and emulsifier, and the concentrate is diluted with emulsifier-containing water to the desired concentration.

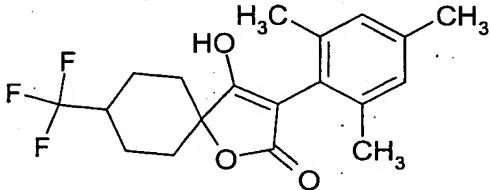
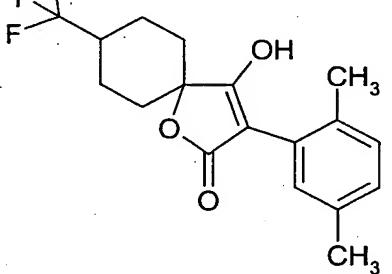
Cotton plants (*Gossypium hirsutum*) which are heavily infested by the cotton aphid (*Aphis gossypii*) are treated by being drenched with the preparation of the active compound of the desired concentration.

After the specified period of time, mortality in % is determined. 100 % means that all the aphids have been killed; 0 % means that none of the aphids have been killed.

In this test, for example, the following compounds from the preparation examples show a superior level of activity compared to the prior state of the art:

## Tabelle B

plant damaging insects  
**Aphis gossypii** –Test (systemic test)

active compound	active compound- concentration in ppm	mortality in % after $10^d$
<b>Ex. I-a-79</b> 	20	70
known from EP-A-528156		
<b>Ex. I-2-a-1</b> 	20	85
according to the invention		

Example C

**Tetranychus test (OP-resistant/dip test)**

Solvent: 7 parts by weight of dimethylformamide

Emulsifier: 2 part by weight of alkylaryl polyglycoether

To produce a suitable preparation of active compound, 1 part by weight of active compound is mixed with the stated amount of solvent and emulsifier, and the concentrate is diluted with emulsifier-containing water to the desired concentration.

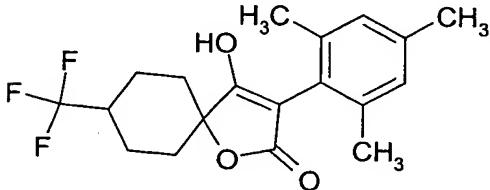
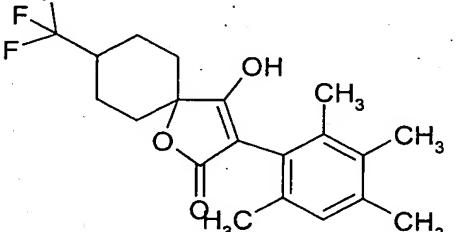
Bean plants (*Phaseolus vulgaris*) which are heavily infested with all stages of the two-spotted spider mite (*Tetranychus urticae*) are treated by being dipped into the preparation of the active compound of the desired concentration.

After the specified period of time, mortality in % is determined. 100 % means that all the spider mites have been killed; 0 % means that none of the spider mites have been killed.

In this test, for example, the following compounds from the preparation examples show a superior level of activity compared to the prior state of the art:

## Tabelle C

plant damageing mites  
Tetranychus-Test (OP-resistant/dip test)

active compound	active compound concentration in ppm	mortality in % after 7 <sup>d</sup>
<b>Ex. I-a-79</b> 	100	0
known from EP-A-528156		
<b>Ex. I-2-a-3</b> 	100	70
according to the invention		

Example D

**Tetranychus test (OP-resistant/systemic test)**

Solvent: 7 parts by weight of dimethylformamide

Emulsifier: 2 part by weight of alkylaryl polyglycoether

To produce a suitable preparation of active compound, 1 part by weight of active compound is mixed with the stated amount of solvent and emulsifier, and the concentrate is diluted with emulsifier-containing water to the desired concentration.

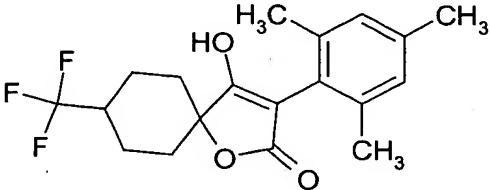
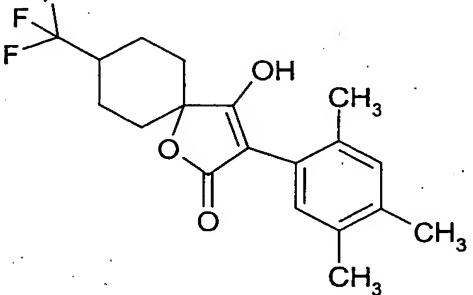
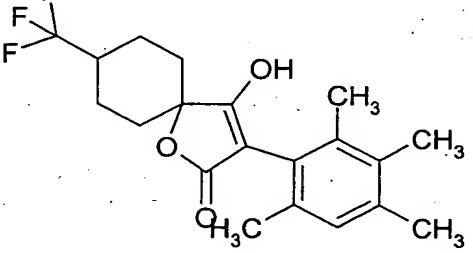
Bean plants (*Phaseolus vulgaris*) which are heavily infested with all stages of the two-spotted spider mite (*Tetranychus urticae*) are treated by being drenched with the preparation of the active compound of the desired concentration.

After the specified period of time, mortality in % is determined. 100 % means that all the spider mites have been killed; 0 % means that none of the spider mites have been killed.

In this test, for example, the following compounds from the preparation examples show a superior level of activity compared to the prior state of the art:

Tabelle D

plant damageing mites  
**Tetranychus-Test (OP-resistant/systemic test)**

active compound	active compound- concentration in ppm	mortality in % after 10 <sup>d</sup>
<b>Ex. I-a-79</b> 	20	0
known from EP-A-528156		
<b>Ex. I-2-a-2</b> 	20	60
according to the invention		
<b>Ex. I-2-a-3</b> 	20	90
according to the invention		

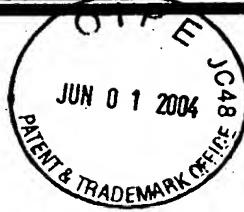
The undersigned declarant hereby declares that all statements made herein of his own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

21.06.2006

Date



Dr. Christian Arnold

**EUROPÄISCHES PATENTAMT**  
**- Generaldirektion 2 -**

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Landeszentralbank Leverkusen 37 508 001  
BLZ 375 00000

**80298 MÜNCHEN****2. Mai 1994**  
Leverkusen  
29. April 1994

Ihre Zeichen

Ihre Nachricht

01.12.93

Unsere Zeichen

Ba/MH

Telefon-Durchwahl

(0214) 361192

Le A 28 446-EP

EP 528 156

**Europäische Patentanmeldung Nr. 92 111 324.7-2399**

Auf den Bescheid vom 1. Dezember 1993.

Gemäß Formalbescheid vom 5. April 1994 wurde die Frist zur Beantwortung des Bescheids auf insgesamt 6 Monate verlängert.

Es wird beantragt, dem weiteren Prüfungsverfahren das als *Anlage 1* in dreifacher Ausfertigung überreichte neue Schutzbegehren, bestehend aus 9 Patentansprüchen, zugrunde zu legen.Der jetzt geltende Patentanspruch 1 entspricht dem alten Anspruch 3, wobei jedoch in den Definitionen von A und B die Bedeutung "Hetaryl" gestrichen wurde und die Begriffe "Aryl" bzw. "Aryl-C<sub>1</sub>-C<sub>6</sub>-alkyl" durch "Phenyl" bzw. "Phenyl-C<sub>1</sub>-C<sub>6</sub>-alkyl" ersetzt wurden.Weiter wurde in der Definition von R<sup>1</sup> die Bedeutung "gegebenenfalls durch Halogen und/oder C<sub>1</sub>-C<sub>6</sub>-Alkyl substituiertes Hetaryl" anhand des auf Seite 31, Zeilen 15 und 16 tatsächlich Offenbarten präzisiert und die Bedeutung "gegebenenfalls durch

Europäisches Patentamt

- Generaldirektion 2 -

Unsere Zeichen

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Halogen, Amino und C<sub>1</sub>-C<sub>6</sub>-Alkyl substituiertes Hetarylxy-C<sub>1</sub>-C<sub>6</sub>-alkyl" gestrichen. Entsprechende Änderungen wurden in den neuen Ansprüchen 3 und 4 vorgenommen, die sonst den bisherigen Ansprüchen 4 und 5 entsprechen.

Der jetzt geltende Anspruch 2 ist mit dem bisherigen Anspruch 2 identisch.

Der alte Herstellungs-Verfahrens-Anspruch 6 wurde gestrafft und findet sich als neuer Anspruch 5 wieder.

Die jetzt geltenden Ansprüche 6 bis 9 sind mit den alten Ansprüchen 7 bis 10 identisch.

Zur besseren Orientierung liegt ein Anspruchssatz bei, in dem die Korrekturen handschriftlich vorgenommen wurden (*Anlage 2*).

*Enclosure 3*

=> Als *Anlage 3* werden zur Stützung unserer Ansprüche weitere Beispiele von Verbindungen

der Formel (Ia) (Fortsetzung der Tabelle 8 auf Seite 157),

der Formel (Ib) (Fortsetzung der Tabelle 9 auf Seite 173),

der Formel (Ic) (Fortsetzung der Tabelle 10 auf Seite 181),

der Formel (Id) (Fortsetzung der Tabelle 11 auf Seite 182),

der Formel (Ie) (Fortsetzung der Tabelle 12 auf Seite 186),

der Formel (Ig) (Fortsetzung der Tabelle 13 auf Seite 187) und

der Formel (II) (Fortsetzung der Tabelle auf Seite 190) überreicht.

In diesen Verbindungen sind Alkylreste geradkettig, sofern nichts anderes angegeben ist.

Europäisches Patentamt

- Generaldirektion 2 -

Unsere Zeichen

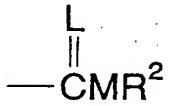
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In der Formel (II) auf Seite 190 des Anmeldungstextes wurde versehentlich in para-Stellung des Phenylrestes ein Substituent X anstelle des Substituenten Y eingezeichnet. Dieser offensichtliche Fehler sollte bei der Anpassung der Beschreibung korrigiert werden.

Nach unserer Auffassung besteht für den Rest c) (  ) der vorliegenden

Anmeldung keine Überlappung mit der in D2 beschriebenen generischen Formel (I), da der Rest R<sup>1</sup> in D2 die in der vorliegenden Anmeldung für c) in Frage kommenden Bedeutungen, wie beispielsweise Alkoxy carbonyl, nicht annehmen kann.

Von der allgemeinen Formel (I) in D2 werden in der Tat einige der erfindungsgemäßen Verbindungen umfaßt, in denen der Rest G für die Gruppe -COR<sup>1</sup> steht. Es werden aber in D2 keine 5H-Furan-2-on-Derivate offenbart, die am Sauerstoff in 4-Position acyliert sind (d. h. R<sup>1</sup> = Alkylcarbonyl) und bei denen in 3-Position gleichzeitig ein ortho-substituierter Phenylring direkt an den Furanonring gebunden ist (d. h. q = 0).

Es handelt sich daher um den klassischen Fall einer Auswahlerfindung, der darin besteht, aus einer generell bekannten Stoffgruppe eine eng umrissene neue Gruppe von Verbindungen mit herausragenden Eigenschaften gefunden zu haben. Der jetzt beanspruchte Gegenstand ist daher auch im Hinblick auf die durch die Entscheidung T 12/90 der Technischen Beschwerdekommission 3.3.1 gesetzten Maßstäbe zweifellos neu.

Als *Anlage 4* werden Ergebnisse biologischer Vergleichsversuche überreicht. Wie aus diesen Daten hervorgeht, besitzen die erfindungsgemäßen Stoffe deutlich

Europäisches Patentamt

- Generaldirektion 2 -

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bessere herbizide Eigenschaften als die konstitutionell ähnlichen Verbindungen (Beispiele 42 und 46), die aus D2 bekannt sind. Da die unerwartete Überlegenheit für zahlreiche Stoffe gezeigt wird, dürfte eine erfinderische Tätigkeit für den gesamten beanspruchten Gegenstand in ausreichendem Maße glaubhaft gemacht sein.

Zu Punkt 3.4 des Bescheids:

Auf den Seiten 5, 23, 28 und 32 der Beschreibung sind in den Ausnahmebestimmungen, die aus D3 bekannte Verbindungen vom Schutzbegehen ausschließen, jeweils die erste und dritte Verbindung identisch (3-(2-Methoxyphenyl)-4-hydroxy- $\Delta^3$ -dihydrofuranon-2). Es wird gebeten, die erste Verbindung zu streichen.

In den Ansprüchen wurde aus einer der doppelt genannten Verbindungen aus nicht mehr nachvollziehbaren Gründen 3-(2-Methylphenyl)-4-hydroxy- $\Delta^3$ -dihydrofuranon-2. Da diese Verbindung nicht aus D3 bekannt ist, sollte sie gestrichen werden.

Zu Punkt 3.5 des Bescheids:

Durch ein Versehen bilden in Beispiel Ia-10 der Tabelle 8 auf Seite 152 die Reste X und Y den Ring und nicht, wie es richtig gewesen wäre und auch dem Anspruch 1 entspricht, die Reste X und Z. Sollte eine Korrektur dieses Fehlers nicht möglich sein, ist das Beispiel Ia-10 zu streichen.

Zu Punkt 3.6 des Bescheids:

Bei der Abfassung des beim EPA eingereichten Textes wurde in den biologischen

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Beispielen versehentlich die in der ersten Prioritätsanmeldung benutzte Numerierung der Herstellungsbeispiele beibehalten.

Verbindung 2 müßte lauten: Verbindung Ia-2,

Verbindung 3 müßte lauten: Verbindung Ib-1 und

Verbindung 4 müßte lauten: Verbindung Ib-2.

Eine Anpassung der Beschreibung an das Schutzbegehrten sollte zweckmäßigerweise erst dann vorgenommen werden, wenn Einigkeit über die gewährbare Anspruchsfassung besteht.

Falls auch nach Berücksichtigung dieser Eingabe die Erteilung eines Patents noch nicht in Aussicht gestellt werden kann, wird hiermit um den Erlaß eines weiteren Bescheides oder ersatzweise um Rücksprache gebeten.

BAYER AG

*U. Dierel*

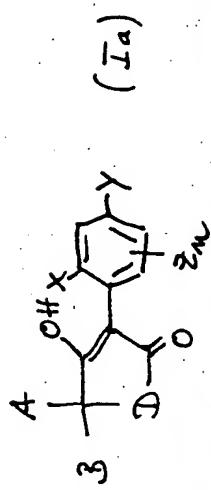
*H. Schum*

Anlagen

- 1: Neuer Anspruchssatz
- 2: Korrekturexemplar  
(für neuen Anspruchssatz )
- 3: Weitere Beispiele
- 4: Biologische Beispiele

Endosure 3

Anlage 3 zum Schreiben vom 29. April 1994  
Europäische Anmeldung Nr. 92 111 324.7-2399



Verbindungen der Formel

Fortsetzung Tabelle 8 (D=0)

Beispiel Nr.	A	B	X	Y	Zn	Fp.[°C]
Ia-63	H	H	Cl	H	6-Cl	245
Ia-64	H	H	Cl	H	6-F	206
Ia-65	CH <sub>3</sub>	CH <sub>3</sub>	CH <sub>3</sub>	CH <sub>3</sub>	3-Cl, 6-CH <sub>3</sub>	>250
Ia-66	-(CH <sub>2</sub> ) <sub>5</sub> -	CH <sub>3</sub>	CH <sub>3</sub>	CH <sub>3</sub>	H	>220
Ia-67	—CH <sub>2</sub> —C <sub>6</sub> H <sub>5</sub>	CH <sub>3</sub>	CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	205-206
Ia-68	—C <sub>6</sub> H <sub>11</sub> —	CH <sub>3</sub>	CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	199-201
Ia-69	—(CH <sub>2</sub> ) <sub>2</sub> —CH—(CH <sub>2</sub> ) <sub>2</sub> —	CH <sub>3</sub>	Cl	H		188-189
Ia-70	—CH <sub>2</sub> —CH—(CH <sub>2</sub> ) <sub>3</sub> —	CH <sub>3</sub>	Cl	H		145-148

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Beispiel Nr.	A	B	X	Y	Z <sub>n</sub>	Fp.[°C]
Ia-71	$-(CH_2)_2-CH-(CH_2)_2-$ $C_2H_5$		CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	154-157
Ia-72	$-CH_2-CH-CH-(CH_2)_2-$ $CH_3 CH_3$		CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	215-221
Ia-73	$-CH_2-C(CH_3)_2-CH_2-C(CH_3)_2-CH_2-$		CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	160-161
Ia-74	$-CH_2-CH-CH_2-CH-$ $CH_3 CH_3$		CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	208-210
Ia-75	$-(CH_2)_2-C(CH_3)_2-(CH_2)_2-$		CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	225-227
Ia-76	i-C <sub>3</sub> H <sub>7</sub>	CH <sub>3</sub>	Cl	Cl	H	157-158

Beispiel Nr.	A	B	X	Y	Z <sub>n</sub>	Fp.[°C]
Ia-77	Δ	CH <sub>3</sub>	CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	180-182
Ia-78	—(CH <sub>2</sub> ) <sub>2</sub> —CH—  —C <sub>3</sub> H <sub>7</sub>	—(CH <sub>2</sub> ) <sub>2</sub> —	CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	63-64
Ia-79	—(CH <sub>2</sub> ) <sub>2</sub> —CH—  —CF <sub>3</sub>	—(CH <sub>2</sub> ) <sub>2</sub> —	CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	225-228
Ia-80	—(CH <sub>2</sub> ) <sub>2</sub> —CH—  —C <sub>3</sub> H <sub>7</sub>	—(CH <sub>2</sub> ) <sub>2</sub> —	CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	Harz

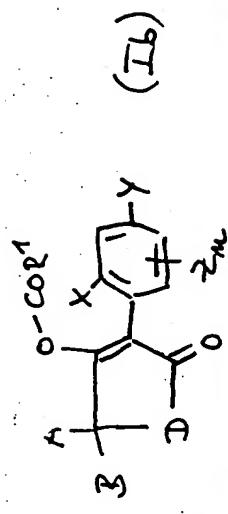


Beispiel Nr.	A	B	X	Y	Z <sub>n</sub>	Fp.[°C]
Ia-81	—(CH <sub>2</sub> ) <sub>2</sub> —CH—(CH <sub>2</sub> ) <sub>2</sub> — C <sub>6</sub> H <sub>11</sub>		CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	0el
Ia-82	—CHCH <sub>3</sub> —(CH <sub>2</sub> ) <sub>3</sub> —		CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	181-190
Ia-83	—CH <sub>2</sub> —CH—C(CH <sub>2</sub> ) <sub>2</sub> — CH <sub>3</sub>		CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	214-216
Ia-84	—CH <sub>2</sub> —CH—CH <sub>2</sub> —CH—CH <sub>2</sub> — CF <sub>3</sub>		CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	211-215
Ia-85	—(CH <sub>2</sub> ) <sub>3</sub> —		CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	221-223
Ia-86	C <sub>8</sub> H <sub>17</sub>	CH <sub>3</sub>	CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	140-142
Ia-87	—(CH <sub>2</sub> ) <sub>2</sub> —CH—(CH <sub>2</sub> ) <sub>2</sub> — CH <sub>3</sub>		CH <sub>3</sub>	CH <sub>3</sub>	H	178-179

Beispiel Nr.	A	B	X	Y	Z <sub>n</sub>	Fp [°C]
Ia-88		—(CH <sub>2</sub> ) <sub>4</sub> —	CH <sub>3</sub>	CH <sub>3</sub>	H	193-194
Ia-89	—CH <sub>2</sub> —   CH—   CH <sub>3</sub>	—(CH <sub>2</sub> ) <sub>2</sub> —	CH <sub>3</sub>	CH <sub>3</sub>	H	65-66
Ia-90	i-C <sub>3</sub> H <sub>7</sub>	CH <sub>3</sub>	CH <sub>3</sub>	CH <sub>3</sub>	H	
Ia-91	—(CH <sub>2</sub> ) <sub>2</sub> —   C(C <sub>3</sub> H <sub>7</sub> ) <sub>2</sub> — —(CH <sub>2</sub> ) <sub>2</sub> —	CH <sub>3</sub>	CH <sub>3</sub>	CH <sub>3</sub>	H	134-135
Ia-92		—(CH <sub>2</sub> ) <sub>4</sub> —	Cl	Cl	H	>235
Ia-93	—CH <sub>2</sub> —   CH—   CH <sub>3</sub>	—(CH <sub>2</sub> ) <sub>3</sub> —	Cl	Cl	H	220-223
Ia-94	CH <sub>2</sub> —   CH—   CH <sub>3</sub>	—C—   (CH <sub>2</sub> ) <sub>2</sub> —	CH <sub>3</sub>	CH <sub>3</sub>	H	168-169
Ia-95	—CH <sub>2</sub> —   CH—   CH <sub>3</sub>	—(CH <sub>2</sub> ) <sub>3</sub> —	CH <sub>3</sub>	CH <sub>3</sub>	H	Wachs

Beispiel Nr.	A	B	X	Y	Z <sub>n</sub>	Fp.[°C]
Ia-96	$\text{---CH}_2\text{---CH---CH---(CH}_2)_2\text{---CH}_3$	$\text{CH}_3$	$\text{CH}_3$	H	H	212-215
Ia-97	$\text{---CH}_2\text{---CH---CH---(CH}_2)_2\text{---CH}_3$	Cl	Cl	H	H	225

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Fortsetzung Tabelle 9 (D = 0)

Verbindungen der Formel

Beispiel Nr.	A	B	X	Y	Z <sub>n</sub>	R <sup>1</sup>	Fp.[°C]
Ib-124		—(CH <sub>2</sub> ) <sub>5</sub> —	Cl	Cl	H	CH <sub>3</sub>	159
Ib-125		—(CH <sub>2</sub> ) <sub>5</sub> —	Cl	Cl	H	C <sub>3</sub> H <sub>7</sub>	92
Ib-126		—(CH <sub>2</sub> ) <sub>5</sub> —	Cl	Cl	H	i-C <sub>3</sub> H <sub>7</sub>	103
Ib-127		—(CH <sub>2</sub> ) <sub>5</sub> —	Cl	Cl	H	i-C <sub>4</sub> H <sub>9</sub>	127
Ib-128		—(CH <sub>2</sub> ) <sub>5</sub> —	Cl	Cl	H		152
Ib-129		—(CH <sub>2</sub> ) <sub>5</sub> —	Cl	Cl	H	C <sub>4</sub> H <sub>9</sub>	72
Ib-130		—(CH <sub>2</sub> ) <sub>5</sub> —	Cl	Cl	H	C <sub>5</sub> H <sub>11</sub>	83
Ib-131		—(CH <sub>2</sub> ) <sub>5</sub> —	Cl	Cl	H	C <sub>2</sub> H <sub>5</sub>	123

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Beispiel Nr.	A	B	X	Y	Z <sub>n</sub>	R <sup>1</sup>	Fp.[°C]
Ib-132	—(CH <sub>2</sub> ) <sub>5</sub> —	Cl	Cl	H		Cl   C <sub>2</sub> H <sub>5</sub>   CH <sub>3</sub>	137
Ib-133	—(CH <sub>2</sub> ) <sub>5</sub> —	Cl	Cl	H		H <sub>7</sub> C <sub>3</sub> —C(CH <sub>3</sub> ) <sub>2</sub> —	75
Ib-134	—(CH <sub>2</sub> ) <sub>5</sub> —	Cl	Cl	H		H <sub>3</sub> CO—CH <sub>2</sub> —C—   CH <sub>3</sub>	99
Ib-135	—(CH <sub>2</sub> ) <sub>5</sub> —	Cl	Cl	H		H <sub>3</sub> CO—CH <sub>2</sub> —C—   CH <sub>3</sub>	58
Ib-136	—(CH <sub>2</sub> ) <sub>5</sub> —	Cl	Cl	H		(H <sub>3</sub> CO—CH <sub>2</sub> ) <sub>3</sub> C—	108

Beispiel Nr.	A	B	X	Y	Z <sub>n</sub>	R <sup>1</sup>	Fp.[°C]
IIb-137	—(CH <sub>2</sub> ) <sub>5</sub> —		Cl	Cl	H	Cl—CH <sub>2</sub> —C— Cl—CH <sub>2</sub> —C— CH <sub>3</sub>	119
IIb-138	—(CH <sub>2</sub> ) <sub>5</sub> —		CH <sub>3</sub>	CH <sub>3</sub>	H	(CH <sub>3</sub> ) <sub>3</sub> C-	87
IIb-139	—CH <sub>2</sub> —CH—CH—(CH <sub>2</sub> ) <sub>2</sub> —	CH <sub>3</sub>	CH <sub>3</sub>	CH <sub>3</sub>	H	(CH <sub>3</sub> ) <sub>3</sub> C—	Oil
IIb-140	—CH <sub>2</sub> —CH—CH—(CH <sub>2</sub> ) <sub>2</sub> —	CH <sub>3</sub>	Cl	Cl	H	(CH <sub>3</sub> ) <sub>3</sub> C-	Oil
IIb-141	—C <sub>6</sub> H <sub>5</sub> —CH <sub>2</sub> —	CH <sub>3</sub>		CH <sub>3</sub>	6-CH <sub>3</sub>	CH <sub>3</sub>	118-119
IIb-142	—C <sub>6</sub> H <sub>5</sub> —CH <sub>2</sub> —	CH <sub>3</sub>		CH <sub>3</sub>	6-CH <sub>3</sub>	(CH <sub>3</sub> ) <sub>3</sub> C-	111-112

Beispiel Nr.	A	B	X	Y	Z <sub>n</sub>	R <sup>1</sup>	Fp.[°C]
Ib-143		CH <sub>3</sub>	CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	CH <sub>3</sub>	83-85
Ib-144		CH <sub>3</sub>	CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	(CH <sub>3</sub> ) <sub>3</sub> C	Oel
Ib-145	—(CH <sub>2</sub> ) <sub>2</sub> —CH—(CH <sub>2</sub> ) <sub>2</sub> — CH <sub>3</sub>	Cl	Cl	H		CH <sub>3</sub>	113-115
Ib-146	—(CH <sub>2</sub> ) <sub>2</sub> —CH—(CH <sub>2</sub> ) <sub>2</sub> — CH <sub>3</sub>	Cl	Cl	H		(CH <sub>3</sub> ) <sub>3</sub> C	110-112
Ib-147	—CH <sub>2</sub> —CH—(CH <sub>2</sub> ) <sub>3</sub> — CH <sub>3</sub>	Cl	Cl	H		CH <sub>3</sub>	Oel

Beispiel Nr.	A	B	X	Y	Z <sub>n</sub>	R <sup>1</sup>	Fp.[°C]
Ib-148	$-\text{CH}_2-\underset{\text{CH}_3}{\text{CH}}-\text{(CH}_2)_3-$		Cl	Cl	H	$(\text{CH}_3)_3\text{C}$	Öel
Ib-149	$-\text{(CH}_2)_2-\underset{\text{C}_2\text{H}_5}{\text{CH}}-\text{(CH}_2)_2-$		CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	CH <sub>3</sub>	Öel
Ib-150	$-\text{(CH}_2)_2-\underset{\text{C}_2\text{H}_5}{\text{CH}}-\text{(CH}_2)_2-$		CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	$(\text{CH}_3)_3\text{C}$	91-96
Ib-151	$-\text{CH}_2-\underset{\text{CH}_3}{\text{CH}}-\text{CH}-\text{(CH}_2)_2-$		CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	CH <sub>3</sub>	119-124
Ib-152	$-\text{CH}_2-\underset{\text{CH}_3}{\text{CH}}-\underset{\text{CH}_3}{\text{CH}}-\text{(CH}_2)_2-$		CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	$(\text{CH}_3)_3\text{C}$	Öel
Ib-153	$-\text{CH}_2-\text{C}(\text{CH}_3)_2-\text{CH}_2-\text{C}(\text{CH}_3)_2-\text{CH}_2-$		CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	CH <sub>3</sub>	177

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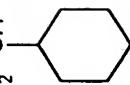
Beispiel Nr.	A	B	X	Y	Z <sub>n</sub>	R <sup>1</sup>	Fp. [°C]
Ib-154	$-\text{CH}_2-\text{C}(\text{CH}_3)_2-\text{CH}_2-\text{C}(\text{CH}_3)_2-\text{CH}_2-$		CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	(CH <sub>3</sub> ) <sub>3</sub> C	154-160
Ib-155	$-\text{CH}_2-\underset{\text{CH}_3}{\text{CH}}-\text{CH}_2-\underset{\text{CH}_3}{\text{CH}}-\text{CH}_2-$		CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	CH <sub>3</sub>	112-118
Ib-156	$-\text{CH}_2-\underset{\text{CH}_3}{\text{CH}}-\text{CH}_2-\underset{\text{CH}_3}{\text{CH}}-\text{CH}_2-$		CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	(CH <sub>3</sub> ) <sub>3</sub> C	120-122
Ib-157	$-(\text{CH}_2)_2-\text{C}(\text{CH}_3)_2-(\text{CH}_2)_2-$		CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	CH <sub>3</sub>	115-116
Ib-158	$-(\text{CH}_2)_2-\text{C}(\text{CH}_3)_2-(\text{CH}_2)_2-$		CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	(CH <sub>3</sub> ) <sub>3</sub> C	123-125
Ib-159	i-C <sub>3</sub> H <sub>7</sub>	CH <sub>3</sub>	Cl	Cl	H	CH <sub>3</sub>	88-89
Ib-160	i-C <sub>3</sub> H <sub>7</sub>	CH <sub>3</sub>	Cl	Cl	H	(CH <sub>3</sub> ) <sub>3</sub> C	45-48
Ib-161	$-\text{CH}_2-\underset{\text{CH}_3}{\text{CH}}-(\text{CH}_2)_3-$		CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	C <sub>3</sub> H <sub>7</sub>	Oel

Beispiel Nr.	A	B	X	Y	Z <sub>n</sub>	R <sup>1</sup>	Fp.[°C]
Ib-162	-CH <sub>2</sub> -CH-(CH <sub>2</sub> ) <sub>3</sub> - CH <sub>3</sub>	CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	C <sub>4</sub> H <sub>9</sub>		60-63
Ib-163	-CH <sub>2</sub> -CH-(CH <sub>2</sub> ) <sub>3</sub> - CH <sub>3</sub>	CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	i-C <sub>3</sub> H <sub>7</sub>		72-76
Ib-164	-CH <sub>2</sub> -CH-(CH <sub>2</sub> ) <sub>3</sub> - CH <sub>3</sub>	CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	H <sub>9</sub> C <sub>4</sub> -CH- C <sub>2</sub> H <sub>5</sub>	Oel	
Ib-165	-CH <sub>2</sub> -CH-(CH <sub>2</sub> ) <sub>3</sub> - CH <sub>3</sub>	CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>			88-92
Ib-166	-CH <sub>2</sub> -CH-(CH <sub>2</sub> ) <sub>3</sub> - CH <sub>3</sub>	CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	(CH <sub>3</sub> ) <sub>3</sub> C-CH <sub>2</sub>		62-63
Ib-167	-CH <sub>2</sub> -CH-(CH <sub>2</sub> ) <sub>3</sub> - CH <sub>3</sub>	CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	Cl-CH <sub>2</sub> -C- H <sub>3</sub> C-CH <sub>3</sub>		77-80

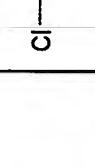
Beispiel Nr.	A	B	X	Y	Z <sub>n</sub>	R <sup>1</sup>	Fp.[°C]
IIb-168	$-\text{CH}_2-\overset{\text{CH}}{\underset{\text{CH}_3}{\text{CH}}}-\text{(CH}_2)_3-$	$\text{CH}_3$	$\text{CH}_3$	$6\text{-CH}_3$	$\text{H}_5\text{C}_2-\overset{\text{C}}{\underset{\text{H}_3\text{C}}{\text{C}}}-\text{CH}_3$		104-107
IIb-169	$-\text{CH}_2-\overset{\text{CH}}{\underset{\text{CH}_3}{\text{CH}}}-\text{(CH}_2)_3-$	$\text{CH}_3$	$\text{CH}_3$	$6\text{-CH}_3$	$\text{i-C}_3\text{H}_7-\overset{\text{C}}{\underset{\text{H}_3\text{C}}{\text{C}}}-\text{CH}_3$		75-79
IIb-170	$-\text{CH}_2-\overset{\text{CH}}{\underset{\text{CH}_3}{\text{CH}}}-\text{(CH}_2)_3-$	$\text{CH}_3$	$\text{CH}_3$	$6\text{-CH}_3$		Oel	
IIb-171	$-(\text{CH}_2)_2-\overset{\text{CH}}{\underset{\text{CH}_3}{\text{CH}}}-\text{(CH}_2)_2-$	$\text{CH}_3$	$\text{CH}_3$	$6\text{-CH}_3$	$\text{C}_2\text{H}_5$	Oel	
IIb-172	$-(\text{CH}_2)_2-\overset{\text{CH}}{\underset{\text{CH}_3}{\text{CH}}}-\text{(CH}_2)_2-$	$\text{CH}_3$	$\text{CH}_3$	$6\text{-CH}_3$	$\text{C}_3\text{H}_7$		74-76
IIb-173	$-(\text{CH}_2)_2-\overset{\text{CH}}{\underset{\text{CH}_3}{\text{CH}}}-\text{(CH}_2)_2-$	$\text{CH}_3$	$\text{CH}_3$	$6\text{-CH}_3$	$\text{i-C}_3\text{H}_7$	Oel	

Beispiel Nr.	A	B	X	Y	Z <sub>n</sub>	R <sup>1</sup>	Fp.[°C]
Ib-174	—(CH <sub>2</sub> ) <sub>2</sub> —CH—(CH <sub>2</sub> ) <sub>2</sub> — CH <sub>3</sub>	CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	H <sub>9</sub> C <sub>4</sub> —CH C <sub>2</sub> H <sub>5</sub>	Oel	
Ib-175	—(CH <sub>2</sub> ) <sub>2</sub> —CH—(CH <sub>2</sub> ) <sub>2</sub> — CH <sub>3</sub>	CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>		91-94	
Ib-176	—(CH <sub>2</sub> ) <sub>2</sub> —CH—(CH <sub>2</sub> ) <sub>2</sub> — CH <sub>3</sub>	CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	(CH <sub>3</sub> ) <sub>3</sub> C—CH <sub>2</sub>	103-105	
Ib-177	—(CH <sub>2</sub> ) <sub>2</sub> —CH—(CH <sub>2</sub> ) <sub>2</sub> — CH <sub>3</sub>	CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	Cl—CH <sub>2</sub> —C H <sub>3</sub> C \ CH <sub>3</sub>	127-128	
Ib-178	—(CH <sub>2</sub> ) <sub>2</sub> —CH—(CH <sub>2</sub> ) <sub>2</sub> — CH <sub>3</sub>	CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	H <sub>5</sub> C <sub>2</sub> —C H <sub>3</sub> C \ CH <sub>3</sub>	88-91	
Ib-179	—(CH <sub>2</sub> ) <sub>2</sub> —CH—(CH <sub>2</sub> ) <sub>2</sub> — CH <sub>3</sub>	CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	i—C <sub>3</sub> H <sub>7</sub> —C H <sub>3</sub> C \ CH <sub>3</sub>	89-93	

Beispiel Nr.	A	B	X	Y	Z <sub>n</sub>	R <sup>1</sup>	Fp.[°C]
Ib-180	—(CH <sub>2</sub> ) <sub>2</sub> —CH—(CH <sub>2</sub> ) <sub>2</sub> — CH <sub>3</sub>		CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>		120-122
Ib-181		CH <sub>3</sub>	CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	CH <sub>3</sub>	132
Ib-182		CH <sub>3</sub>	CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	(CH <sub>3</sub> ) <sub>3</sub> C	Oel
Ib-183	—(CH <sub>2</sub> ) <sub>2</sub> —CH—(CH <sub>2</sub> ) <sub>2</sub> — i-C <sub>3</sub> H <sub>7</sub>		CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	CH <sub>3</sub>	92-94
Ib-184	—(CH <sub>2</sub> ) <sub>2</sub> —CH—(CH <sub>2</sub> ) <sub>2</sub> — i-C <sub>3</sub> H <sub>7</sub>		CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	(CH <sub>3</sub> ) <sub>3</sub> C	123-125
Ib-185	—(CH <sub>2</sub> ) <sub>2</sub> —CH—(CH <sub>2</sub> ) <sub>2</sub> — C <sub>3</sub> H <sub>7</sub>		CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	CH <sub>3</sub>	115-117

Beispiel Nr.	A	B	X	Y	Z <sub>n</sub>	R <sup>1</sup>	Fp.[°C]
Ib-186	—(CH <sub>2</sub> ) <sub>2</sub> —CH—(CH <sub>2</sub> ) <sub>2</sub> — C <sub>3</sub> H <sub>7</sub>	CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	(CH <sub>3</sub> ) <sub>3</sub> C		79-81
Ib-187	—(CH <sub>2</sub> ) <sub>2</sub> —CH—(CH <sub>2</sub> ) <sub>2</sub> — 	CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	CH <sub>3</sub>		144-146
Ib-188	—(CH <sub>2</sub> ) <sub>2</sub> —CH—(CH <sub>2</sub> ) <sub>2</sub> — 	CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	(CH <sub>3</sub> ) <sub>3</sub> C		130-131
Ib-189	—CH—(CH <sub>2</sub> ) <sub>3</sub> — CH <sub>3</sub>	CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	CH <sub>3</sub>		132-134
Ib-190	—CH—(CH <sub>2</sub> ) <sub>3</sub> — CH <sub>3</sub>	CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	(CH <sub>3</sub> ) <sub>3</sub> C	Oel	

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Beispiel Nr.	A	B	X	Y	Z <sub>n</sub>	R <sup>1</sup>	Fp.[°C]
Ib-191	$-\text{CH}_2-\underset{\text{CH}_3}{\text{CH}}-\text{(CH}_2\text{)}_2-$	$\text{CH}_3$	$\text{CH}_3$	$6\text{-CH}_3$	$\text{CH}_3$		91-93
Ib-192	$-\text{CH}_2-\underset{\text{CH}_3}{\text{CH}}-\text{(CH}_2\text{)}_2-$	$\text{CH}_3$	$\text{CH}_3$	$6\text{-CH}_3$	$(\text{CH}_3)_3\text{C}$	Oel	
Ib-193	$-\text{CH}_2-\underset{\text{CF}_3}{\text{CH}}-\text{CH}_2-\underset{\text{CF}_3}{\text{CH}}-\text{CH}_2-$	$\text{CH}_3$	$\text{CH}_3$	$6\text{-CH}_3$	$\text{CH}_3$		178-180
Ib-194	$-\text{CH}_2-\underset{\text{CF}_3}{\text{CH}}-\text{CH}_2-\underset{\text{CF}_3}{\text{CH}}-\text{CH}_2-$	$\text{CH}_3$	$\text{CH}_3$	$6\text{-CH}_3$	$(\text{CH}_3)_3\text{C}$		118-120
Ib-195	$-\text{(CH}_2\text{)}_5-$	$\text{CH}_3$	$\text{CH}_3$	$6\text{-CH}_3$	$\text{Cl-CH}_2$		155-158
Ib-196	$-\text{(CH}_2\text{)}_5-$	$\text{CH}_3$	$\text{CH}_3$	$6\text{-CH}_3$			144-146

Beispiel Nr.	A	B	X	Y	Z <sub>n</sub>	R <sup>1</sup>	Fp.[°C]
Ib-197		-(CH <sub>2</sub> ) <sub>5</sub>	CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	Cl-CH <sub>2</sub> CH <sub>2</sub> C H <sub>3</sub> / H <sub>3</sub> C / CH <sub>3</sub>	126-128
Ib-198	C <sub>8</sub> H <sub>17</sub>	CH <sub>3</sub>	CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	CH <sub>3</sub>	0el
Ib-199	C <sub>8</sub> H <sub>17</sub>	CH <sub>3</sub>	CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	(CH <sub>3</sub> ) <sub>3</sub> C	0el
Ib-200		-(CH <sub>2</sub> ) <sub>5</sub>	CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	Cl-CH <sub>2</sub> / C / CH <sub>2</sub> / CH <sub>3</sub>	171-173
Ib-201		-(CH <sub>2</sub> ) <sub>5</sub>	CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	F-CH <sub>2</sub> / C / CH <sub>2</sub> / CH <sub>3</sub>	124-125
Ib-202		-(CH <sub>2</sub> ) <sub>5</sub>	CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	Cl / N / C <sub>6</sub> H <sub>5</sub> / Cl	198-199

Beispiel Nr.	A	B	X	Y	Z <sub>n</sub>	R <sup>1</sup>	Fp.[°C]
Ib-203	-(CH <sub>2</sub> ) <sub>5</sub> -	CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>		F-CH <sub>2</sub> -C\CH <sub>3</sub>	123-125
Ib-204	-(CH <sub>2</sub> ) <sub>5</sub> -	CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>		Cl	147-148
Ib-205	-(CH <sub>2</sub> ) <sub>5</sub> -	CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>		H <sub>3</sub> CO-CH <sub>2</sub> -CH-CH <sub>3</sub>	77-78
Ib-206	-(CH <sub>2</sub> ) <sub>5</sub> -	CH <sub>3</sub>	CH <sub>3</sub>	H		Cl-CH <sub>2</sub> -C\CH <sub>3</sub>	85-87
Ib-207	-(CH <sub>2</sub> ) <sub>2</sub> -CH-(CH <sub>2</sub> ) <sub>2</sub> -	CH <sub>3</sub>	CH <sub>3</sub>	H	CH <sub>3</sub>	Oel	

Beispiel Nr.	A	B	X	Y	Z <sub>n</sub>	R <sup>1</sup>	Fp.[°C]
Ib-208	$-\text{CH}_2-\text{CH}-(\text{CH}_2)_2-$ $\text{CH}_3$	$\text{CH}_3$	$\text{CH}_3$	H		$(\text{CH}_3)_3\text{C}$	95-97
Ib-209	$-(\text{CH}_2)_2-\text{CH}-(\text{CH}_2)_2-$ $\text{CH}_3$	$\text{CH}_3$	$\text{CH}_3$	H		$\text{Cl}-\text{CH}_2-\text{C}(\text{CH}_3)_2-$	108-110
Ib-210	$-(\text{CH}_2)_4-$	$\text{CH}_3$	$\text{CH}_3$	H		$\text{CH}_3$	107-108
Ib-211	$-(\text{CH}_2)_4-$	$\text{CH}_3$	$\text{CH}_3$	H		$(\text{CH}_3)_3\text{C}$	Oil
Ib-212	$-(\text{CH}_2)_4-$	$\text{CH}_3$	CH	H		$\text{Cl}-\text{CH}_2-\text{C}(\text{CH}_3)_2-$	114-115
Ib-213	$-\text{CH}_2-\text{CH}-(\text{CH}_2)_2-$ $\text{CH}_3$	$\text{CH}_3$	$\text{CH}_3$	H		$\text{CH}_3$	Oil
Ib-214	$-\text{CH}_2-\text{CH}-(\text{CH}_2)_2-$ $\text{CH}_3$	$\text{CH}_3$	$\text{CH}_3$	H		$\text{Cl}-\text{CH}_2-\text{C}(\text{CH}_3)_2-$	Oil

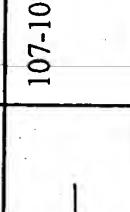
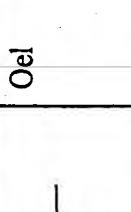
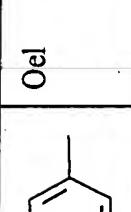
Beispiel Nr.	A	B	X	Y	Z <sub>n</sub>	R <sup>1</sup>	Fp.[°C]
Ib-215	i-C <sub>3</sub> H <sub>7</sub>	CH <sub>3</sub>	CH <sub>3</sub>	H	CH <sub>3</sub>		128-129
Ib-216	i-C <sub>3</sub> H <sub>7</sub>	CH <sub>3</sub>	CH <sub>3</sub>	H	(CH <sub>3</sub> ) <sub>3</sub> C	Oel	
Ib-217	i-C <sub>3</sub> H <sub>7</sub>	CH <sub>3</sub>	CH <sub>3</sub>	H	Cl-CH <sub>2</sub> -C- H <sub>3</sub> C\CH <sub>3</sub>		88-89
Ib-218	-(CH <sub>2</sub> ) <sub>2</sub> -C(C <sub>3</sub> H <sub>7</sub> ) <sub>2</sub> -(CH <sub>2</sub> ) <sub>2</sub> -	CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	(CH <sub>3</sub> ) <sub>3</sub> C		73-75
Ib-219	-(CH <sub>2</sub> ) <sub>2</sub> -CH- CH <sub>3</sub> —(CH <sub>2</sub> ) <sub>2</sub> —	CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	Cl-CH <sub>2</sub> -C- H <sub>3</sub> C\CH <sub>3</sub>		155
Ib-220	-(CH <sub>2</sub> ) <sub>2</sub> -CH- CH <sub>3</sub> —(CH <sub>2</sub> ) <sub>2</sub> —	CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	Cl-CH <sub>2</sub> -C- Cl-CH <sub>2</sub> \CH <sub>3</sub>		167
Ib-221	-(CH <sub>2</sub> ) <sub>2</sub> -CH- CH <sub>3</sub> —(CH <sub>2</sub> ) <sub>2</sub> —	CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	H <sub>3</sub> CO-CH <sub>2</sub> -C- H <sub>3</sub> C\CH <sub>3</sub>		103
Ib-222	-(CH <sub>2</sub> ) <sub>2</sub> -CH- CH <sub>3</sub> —(CH <sub>2</sub> ) <sub>2</sub> —	CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	H <sub>3</sub> CO-CH <sub>2</sub> -C- H <sub>3</sub> CO-CH <sub>2</sub> \CH <sub>3</sub>		99

Beispiel Nr.	A	B	X	Y	Z <sub>n</sub>	R <sup>1</sup>	Fp.[°C]
Ib-223		-(CH <sub>2</sub> ) <sub>4</sub> -	Cl	Cl	H	CH <sub>3</sub>	118-120
Ib-224		-(CH <sub>2</sub> ) <sub>4</sub> -	Cl	Cl	H	(CH <sub>3</sub> ) <sub>3</sub> C	99-100
Ib-225		-(CH <sub>2</sub> ) <sub>4</sub> -	Cl	Cl	H	Cl—CH <sub>2</sub> —C— H <sub>3</sub> C \ CH <sub>3</sub>	122-124
Ib-226		-(CH <sub>2</sub> ) <sub>4</sub> -	Cl	Cl	H	H <sub>3</sub> C <sub>2</sub> —C— H <sub>3</sub> C \ CH <sub>3</sub>	100-102
Ib-227		—CH <sub>2</sub> —CH—(CH <sub>2</sub> ) <sub>3</sub> —	Cl	Cl	H	CH <sub>3</sub>	Oel

Beispiel Nr.	A	B	X	Y	Z <sub>n</sub>	R <sup>1</sup>	Fp.[°C]
Ib-228	$-\text{CH}_2-\text{CH}(\text{CH}_3)_3-$		Cl	Cl	H	i-C <sub>3</sub> H <sub>7</sub>	0el
Ib-229	$-\text{CH}_2-\text{CH}(\text{CH}_3)_3-$		Cl	Cl	H	(CH <sub>3</sub> ) <sub>3</sub> C	0el
Ib-230	$-\text{CH}_2-\text{CH}(\text{CH}_3)_3-$		Cl	Cl	H	$\text{Cl}-\text{CH}_2-\text{C}(\text{CH}_3)_2-$	0el
Ib-231	$-\text{CH}_2-\text{CH}=\text{C}(\text{CH}_2)_2-$		CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	(CH <sub>3</sub> ) <sub>3</sub> C	94-95

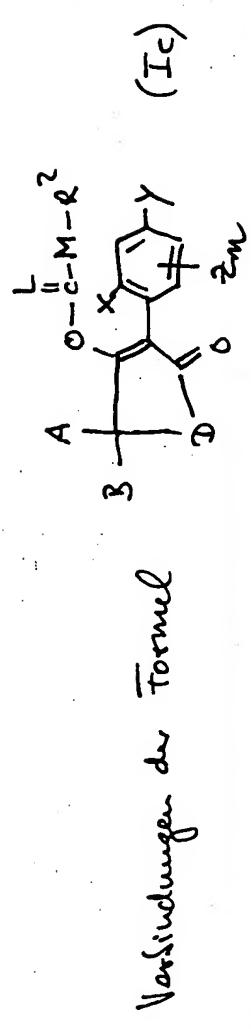
Beispiel Nr.	A	B	X	Y	Z <sub>n</sub>	R <sup>1</sup>	Fp.[°C]
IIb-232	$-\text{CH}_2-\text{CH}(\text{CH}_3)-(\text{CH}_2)_3-$	$\text{CH}_3$	$\text{CH}_3$	H	$\text{CH}_3$		109-111
IIb-233	$-\text{CH}_2-\text{CH}(\text{CH}_3)-(\text{CH}_2)_3-$	$\text{CH}_3$	$\text{CH}_3$	H	$\text{i-C}_3\text{H}_7$	Oel	
IIb-234	$-\text{CH}_2-\text{CH}(\text{CH}_3)-(\text{CH}_2)_3-$	$\text{CH}_3$	$\text{CH}_3$	H	$(\text{CH}_3)_3\text{C}$		102-104
IIb-235	$-\text{CH}_2-\text{CH}(\text{CH}_3)-(\text{CH}_2)_3-$	$\text{CH}_3$	$\text{CH}_3$	H	$\text{Cl}-\text{CH}_2-\text{C}(\text{CH}_3)_2-$	Oel	
IIb-236	$-\text{CH}_2-\text{CH}(\text{CH}_3)-(\text{CH}_2)_3-$	$\text{CH}_3$	$\text{CH}_3$	$6\text{-CH}_3$	$\text{Cl}-\text{CH}_2-\text{C}(\text{CH}_3)_2-$		104-106
IIb-237	$-\text{CH}_2-\text{CH}(\text{CH}_3)-(\text{CH}_2)_3-$	$\text{CH}_3$	$\text{CH}_3$	$6\text{-CH}_3$	$\text{H}_3\text{C}-\text{O}-\text{CH}_2-\text{C}(\text{CH}_3)_2-$		86-87

Beispiel Nr.	A	B	X	Y	Z <sub>n</sub>	R <sup>1</sup>	Fp.[°C]
Ib-238	$-\text{CH}_2-\underset{\text{CH}_3}{\text{CH}}-\text{(CH}_2)_3-$	$\text{CH}_3$	$\text{CH}_3$	$6\text{-CH}_3$			116-118
Ib-239	$-\text{CH}_2-\underset{\text{CH}_3}{\text{CH}}-\text{(CH}_2)_3-$	$\text{CH}_3$	$\text{CH}_3$	$6\text{-CH}_3$			117-119
Ib-240	$-(\text{CH}_2)_2-\underset{\text{CH}_3}{\text{CH}}-\text{(CH}_2)_2-$	$\text{CH}_3$	$\text{CH}_3$	$6\text{-CH}_3$		Oel	
Ib-241	$-(\text{CH}_2)_2-\underset{\text{CH}_3}{\text{CH}}-\text{(CH}_2)_2-$	$\text{CH}_3$	$\text{CH}_3$	$6\text{-CH}_3$			110-112
Ib-242	$-(\text{CH}_2)_2-\underset{\text{CH}_3}{\text{CH}}-\text{(CH}_2)_2-$	$\text{CH}_3$	$\text{CH}_3$	$6\text{-CH}_3$			98-99
Ib-243	$-(\text{CH}_2)_2-\underset{\text{CH}_3}{\text{CH}}-\text{(CH}_2)_2-$	$\text{CH}_3$	$\text{CH}_3$	$6\text{-CH}_3$			129-131

Beispiel Nr.	A	B	X	Y	Z <sub>n</sub>	R <sup>1</sup>	Fp.[°C]
IIb-244	—(CH <sub>2</sub> ) <sub>2</sub> —CH—(CH <sub>2</sub> ) <sub>2</sub> — CH <sub>3</sub>	CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>			94-96
IIb-245	—(CH <sub>2</sub> ) <sub>2</sub> —CH—(CH <sub>2</sub> ) <sub>2</sub> — CH <sub>3</sub>	CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>			138-140
IIb-246	—(CH <sub>2</sub> ) <sub>2</sub> —CH—(CH <sub>2</sub> ) <sub>2</sub> — CH <sub>3</sub>	CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	Adamantyl		114-116
IIb-247	—(CH <sub>2</sub> ) <sub>2</sub> —CH—(CH <sub>2</sub> ) <sub>2</sub> — CH <sub>3</sub>	CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>			107-108
IIb-248	—(CH <sub>2</sub> ) <sub>2</sub> —CH—(CH <sub>2</sub> ) <sub>2</sub> — CH <sub>3</sub>	CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>		Oil	
IIb-249	—(CH <sub>2</sub> ) <sub>2</sub> —CH—(CH <sub>2</sub> ) <sub>2</sub> — CH <sub>3</sub>	CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>		Oil	

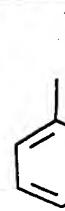
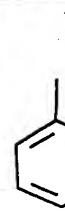
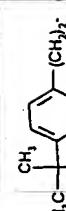
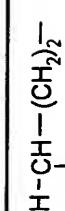
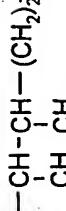
Beispiel Nr.	A	B	X	Y	Z <sub>n</sub>	R <sup>1</sup>	Fp.[°C]
IIb-250	$-(CH_2)_2-CH-CH_2-$	$CH_3$	$CH_3$	$6-CH_3$	$Cl-CH_2$	Oel	
IIb-251	$-CH_2-CH-CH-CH_2-$	$CH_3$	$CH_3$	$6-CH_3$	$i-C_3H_7$		128-130
IIb-252	$-CH_2-CH-CH-CH_2-$	$CH_3$	$CH_3$	$6-CH_3$	$Cl-CH_2$ $H_3C$ $CH_3$	Oel	
IIb-253	$-CH_2-CH-CH_2-$	$CH_3$	$CH_3$	H	$(CH_3)_3C$	Oel	

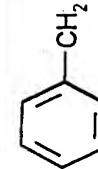
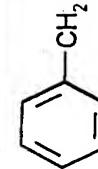
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Fortsetzung: Tabelle 10 (D=O, L=O, M=O)

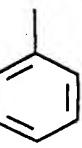
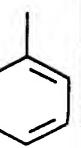
Beispiel Nr.	A	B	X	Y	$Z_n$	$R^2$	Fp.[°C]
Ic-66		$-(\text{CH}_2)_5-$	Cl	Cl	H	$\text{i-C}_4\text{H}_9$	105
Ic-67		$-(\text{CH}_2)_5-$	Cl	Cl	H	$\text{i-C}_3\text{H}_7$	82
Ic-68		$-(\text{CH}_2)_5-$	Cl	Cl	H	$\text{C}_2\text{H}_5$	54
Ic-69		$-(\text{CH}_2)_5-$	Cl	Cl	H		68
Ic-70		$-(\text{CH}_2)_5-$	Cl	Cl	H	$\text{C}_3\text{H}_7$	59
Ic-71		$-(\text{CH}_2)_5-$	Cl	Cl	H	$\text{C}_4\text{H}_9$	95
Ic-72		$-(\text{CH}_2)_5-$	Cl	Cl	H	$\text{H}_3\text{C}$ 	107
Ic-73		$-(\text{CH}_2)_5-$	Cl	Cl	H	$\text{C}_8\text{H}_{17}$	62

Beispiel Nr.	A	B	X	Y	Z <sub>n</sub>	R <sup>2</sup>	Fp.[°C]
Ic-74	-(CH <sub>2</sub> ) <sub>5</sub> -		Cl	Cl	H	C <sub>6</sub> H <sub>13</sub>	Oil
Ic-75	-(CH <sub>2</sub> ) <sub>5</sub> -		Cl	Cl	H	CH <sub>2</sub> =CH-CH <sub>2</sub>	87
Ic-76	-(CH <sub>2</sub> ) <sub>5</sub> -		Cl	Cl	H		135
Ic-77	-(CH <sub>2</sub> ) <sub>5</sub> -		Cl	Cl	H		106
Ic-78	-(CH <sub>2</sub> ) <sub>5</sub> -		Cl	Cl	H		125
Ic-79	-(CH <sub>2</sub> ) <sub>5</sub> -		Cl	Cl	H		81
Ic-80	—CH <sub>2</sub> —  —(CH <sub>2</sub> ) <sub>2</sub> —	CH <sub>3</sub>	CH <sub>3</sub>	H	i-C <sub>3</sub> H <sub>7</sub>	Oil	
Ic-81	—CH <sub>2</sub> —  —(CH <sub>2</sub> ) <sub>2</sub> —	Cl	Cl	H	i-C <sub>3</sub> H <sub>7</sub>	Oil	

Beispiel Nr.	A	B	X	Y	Z <sub>n</sub>	R <sup>2</sup>	Fp.[°C]
Ic-82		CH <sub>3</sub>	CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	CH <sub>3</sub>	90-91
Ic-83		CH <sub>3</sub>	CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	i-C <sub>3</sub> H <sub>7</sub>	93-94
Ic-84		CH <sub>3</sub>	CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	CH <sub>3</sub>	112-113
Ic-85		CH <sub>3</sub>	CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	i-C <sub>3</sub> H <sub>7</sub>	78-79
Ic-86		—(CH <sub>2</sub> ) <sub>2</sub> —CH—(CH <sub>2</sub> ) <sub>2</sub> —CH <sub>3</sub>	Cl	Cl	H	CH <sub>3</sub>	89-90

Beispiel Nr.	A	B.	X	Y	Z <sub>n</sub>	R <sup>2</sup>	Fp [°C]
Ic-87	—(CH <sub>2</sub> ) <sub>2</sub> —CH—(CH <sub>2</sub> ) <sub>2</sub> — CH <sub>3</sub>	Cl	Cl	H	i-C <sub>3</sub> H <sub>7</sub>		81-83
Ic-88	—CH <sub>2</sub> —CH—(CH <sub>2</sub> ) <sub>3</sub> — CH <sub>3</sub>	Cl	Cl	H	CH <sub>3</sub>	Oel	
Ic-89	—CH <sub>2</sub> —CH—(CH <sub>2</sub> ) <sub>3</sub> — CH <sub>3</sub>	Cl	Cl	H	i-C <sub>3</sub> H <sub>7</sub>		84-86
Ic-90	—(CH <sub>2</sub> ) <sub>2</sub> —CH—(CH <sub>2</sub> ) <sub>2</sub> — C <sub>2</sub> H <sub>5</sub>	CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	CH <sub>3</sub>	Oel	
Ic-91	—(CH <sub>2</sub> ) <sub>2</sub> —CH—(CH <sub>2</sub> ) <sub>2</sub> — C <sub>2</sub> H <sub>5</sub>	CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	i-C <sub>3</sub> H <sub>7</sub>	Oel	
Ic-92	—CH <sub>2</sub> —CH—CH—(CH <sub>2</sub> ) <sub>2</sub> — CH <sub>3</sub> CH <sub>3</sub>	CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	CH <sub>3</sub>	Oel	
Ic-93	—CH <sub>2</sub> —CH—CH—(CH <sub>2</sub> ) <sub>2</sub> — CH <sub>3</sub> CH <sub>3</sub>	CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	i-C <sub>3</sub> H <sub>7</sub>	Oel	
Ic-94	—CH <sub>2</sub> —C(CH <sub>3</sub> ) <sub>2</sub> —CH <sub>2</sub> —C(CH <sub>3</sub> ) <sub>2</sub> —CH <sub>2</sub> — CH <sub>3</sub>	CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	CH <sub>3</sub>		136-137

Beispiel Nr.	A	B	X	Y	Z <sub>n</sub>	R <sup>2</sup>	Fp.[°C]
Ic-95	$-\text{CH}_2-\text{C}(\text{CH}_3)_2-\text{CH}_2-\text{C}(\text{CH}_3)_2-\text{CH}_2-$	$\text{CH}_3$	$\text{CH}_3$	$6\text{-CH}_3$	$\text{i-C}_3\text{H}_7$		129-131
Ic-96	$-\text{CH}_2-\underset{\text{CH}_3}{\text{CH}}-\text{CH}_2-\underset{\text{CH}_3}{\text{CH}}-\text{CH}_2-$	$\text{CH}_3$	$\text{CH}_3$	$6\text{-CH}_3$	$\text{CH}_3$		103-105
Ic-97	$-\text{CH}_2-\underset{\text{CH}_3}{\text{CH}}-\text{CH}_2-\underset{\text{CH}_3}{\text{CH}}-\text{CH}_2-$	$\text{CH}_3$	$\text{CH}_3$	$6\text{-CH}_3$	$\text{i-C}_3\text{H}_7$		84-85
Ic-98	$-(\text{CH}_2)_2-\text{C}(\text{CH}_3)_2-(\text{CH}_2)_2-$	$\text{CH}_3$	$\text{CH}_3$	$6\text{-CH}_3$	$\text{CH}_3$		102-103
Ic-99	$-(\text{CH}_2)_2-\text{C}(\text{CH}_3)_2-(\text{CH}_2)_2-$	$\text{CH}_3$	$\text{CH}_3$	$6\text{-CH}_3$	$\text{i-C}_3\text{H}_7$		130-131
Ic-100	$\text{i-C}_3\text{H}_7$	$\text{CH}_3$	$\text{Cl}$	$\text{H}$	$\text{CH}_3$	$\text{Oel}$	
Ic-101	$\text{i-C}_3\text{H}_7$	$\text{CH}_3$	$\text{Cl}$	$\text{H}$	$\text{i-C}_3\text{H}_7$		110-111
Ic-102	$-\text{CH}_2-\underset{\text{CH}_3}{\text{CH}}-\text{CH}_2-$	$\text{CH}_3$	$\text{CH}_3$	$6\text{-CH}_3$	$\text{i-C}_4\text{H}_9$	$\text{Oel}$	

Beispiel Nr.	A	B	X	Y	Z <sub>n</sub>	R <sup>2</sup>	Fp.[°C]
Ic-103	$-\text{CH}_2-\text{CH}(\text{CH}_3)-(\text{CH}_2)_3-$	$\text{CH}_3$	$\text{CH}_3$	$6\text{-CH}_3$	$s\text{-C}_4\text{H}_9$		Oel
Ic-104	$-\text{CH}_2-\text{CH}(\text{CH}_3)-(\text{CH}_2)_3-$	$\text{CH}_3$	$\text{CH}_3$	$6\text{-CH}_3$	$\text{H}_9\text{C}_4-\text{CH}(\text{C}_2\text{H}_5)-\text{CH}_2$		Oel
Ic-105	$-\text{CH}_2-\text{CH}(\text{CH}_3)-(\text{CH}_2)_3-$	$\text{CH}_3$	$\text{CH}_3$	$6\text{-CH}_3$			Oel
Ic-106	$-\text{CH}_2-\text{CH}(\text{CH}_3)-(\text{CH}_2)_3-$	$\text{CH}_3$	$\text{CH}_3$	$6\text{-CH}_3$	$(\text{CH}_3)_3\text{C}$		Oel
Ic-107	$-(\text{CH}_2)_2-\text{CH}(\text{CH}_3)-(\text{CH}_2)_2-$	$\text{CH}_3$	$\text{CH}_3$	$6\text{-CH}_3$	$i\text{-C}_4\text{H}_9$		Oel
Ic-108	$-(\text{CH}_2)_2-\text{CH}(\text{CH}_3)-(\text{CH}_2)_2-$	$\text{CH}_3$	$\text{CH}_3$	$6\text{-CH}_3$	$s\text{-C}_4\text{H}_9$		Oel
Ic-109	$-(\text{CH}_2)_2-\text{CH}(\text{CH}_3)-(\text{CH}_2)_2-$	$\text{CH}_3$	$\text{CH}_3$	$6\text{-CH}_3$	$\text{H}_9\text{C}_4-\text{CH}(\text{C}_2\text{H}_5)-\text{CH}_2$		Oel
Ic-110	$-(\text{CH}_2)_2-\text{CH}(\text{CH}_3)-(\text{CH}_2)_2-$	$\text{CH}_3$	$\text{CH}_3$	$6\text{-CH}_3$			Oel

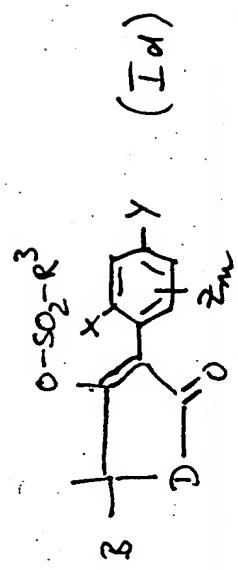
Beispiel Nr.	A	B	X	Y	Z <sub>n</sub>	R <sup>2</sup>	Fp [°C]
Ic-111	—(CH <sub>2</sub> ) <sub>2</sub> —CH—(CH <sub>2</sub> ) <sub>2</sub> — CH <sub>3</sub>	CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	(CH <sub>3</sub> ) <sub>3</sub> C		91-93
Ic-112		CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	CH <sub>3</sub>		Oel
Ic-113		CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	i-C <sub>3</sub> H <sub>7</sub>		Oel
Ic-114	—(CH <sub>2</sub> ) <sub>2</sub> —CH—(CH <sub>2</sub> ) <sub>2</sub> — i-C <sub>3</sub> H <sub>7</sub>	CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	CH <sub>3</sub>		Oel
Ic-115	—(CH <sub>2</sub> ) <sub>2</sub> —CH—(CH <sub>2</sub> ) <sub>2</sub> — i-C <sub>3</sub> H <sub>7</sub>	CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	i-C <sub>3</sub> H <sub>7</sub>		Oel
Ic-116	—(CH <sub>2</sub> ) <sub>2</sub> —CH—(CH <sub>2</sub> ) <sub>2</sub> — C <sub>3</sub> H <sub>7</sub>	CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	CH <sub>3</sub>		Oel
Ic-117	—(CH <sub>2</sub> ) <sub>2</sub> —CH—(CH <sub>2</sub> ) <sub>2</sub> — C <sub>3</sub> H <sub>7</sub>	CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	i-C <sub>3</sub> H <sub>7</sub>		Oel

Beispiel Nr.	A	B	X	Y	Z <sub>n</sub>	R <sup>2</sup>	Fp.[°C]
Ic-118	$-(CH_2)_2-CH-(CH_2)_2-$ 	CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	CH <sub>3</sub>		87-89
Ic-119	$-(CH_2)_2-CH-(CH_2)_2-$ 	CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	i-C <sub>3</sub> H <sub>7</sub>	Oil	
Ic-120	$-CH-(CH_2)_3-$ 	CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	CH <sub>3</sub>	Oil	
Ic-121	$-CH-(CH_2)_3-$ 	CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	i-C <sub>3</sub> H <sub>7</sub>	Oil	
Ic-122	$-CH_2-CH-(CH_2)_2-$ 	CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	CH <sub>3</sub>	Oil	
Ic-123	$-CH_2-CH-(CH_2)_2-$ 	CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	i-C <sub>3</sub> H <sub>7</sub>		63-65

Beispiel Nr.	A	B	X	Y	Z <sub>n</sub>	R <sup>2</sup>	Fp.[°C]
Ic-124	—(CH <sub>2</sub> ) <sub>2</sub> —CH—(CH <sub>2</sub> ) <sub>2</sub> — CH <sub>3</sub>		CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	CH <sub>3</sub>	148-150
Ic-125	—CH <sub>2</sub> —CH—CH <sub>2</sub> —CH—CH <sub>2</sub> — CF <sub>3</sub>		CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	i-C <sub>3</sub> H <sub>7</sub>	154-156
Ic-126	—(CH <sub>2</sub> ) <sub>5</sub> —		CH <sub>3</sub>	CH <sub>3</sub>	H	i-C <sub>4</sub> H <sub>9</sub>	Oel
Ic-127	—(CH <sub>2</sub> ) <sub>5</sub> —		CH <sub>3</sub>	CH <sub>3</sub>	H	s-C <sub>4</sub> H <sub>9</sub>	Oel
Ic-128	—(CH <sub>2</sub> ) <sub>2</sub> —CH—(CH <sub>2</sub> ) <sub>2</sub> — CH <sub>3</sub>		CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	i-C <sub>3</sub> H <sub>7</sub>	101
Ic-129	—(CH <sub>2</sub> ) <sub>4</sub> —	Cl	Cl	H		i-C <sub>3</sub> H <sub>7</sub>	139-141
Ic-130	—(CH <sub>2</sub> ) <sub>4</sub> —	Cl	Cl	H		i-C <sub>4</sub> H <sub>9</sub>	79-82

Beispiel Nr.	A	B	X	Y	Z <sub>n</sub>	R <sup>2</sup>	Fp [°C]
Ic-131	—CH <sub>2</sub> —CH—(CH <sub>2</sub> ) <sub>3</sub> — CH <sub>3</sub>	Cl	Cl	H	i-C <sub>3</sub> H <sub>7</sub>	Oel	
Ic-132	—CH <sub>2</sub> —CH—(CH <sub>2</sub> ) <sub>3</sub> — CH <sub>3</sub>	CH <sub>3</sub>	CH <sub>3</sub>	H	i-C <sub>3</sub> H <sub>7</sub>	Oel	
Ic-133	—CH <sub>2</sub> —CH—(CH <sub>2</sub> ) <sub>3</sub> — CH <sub>3</sub>	CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	i-C <sub>3</sub> H <sub>7</sub>	Oel	
Ic-134	—CH <sub>2</sub> —CH—(CH <sub>2</sub> ) <sub>3</sub> — CH <sub>3</sub>	CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	H <sub>7</sub> C <sub>3</sub> —O—CH <sub>2</sub> —CH— CH <sub>3</sub>	78-80	
Ic-135	—(CH <sub>2</sub> ) <sub>2</sub> —CH—(CH <sub>2</sub> ) <sub>2</sub> — CH <sub>3</sub>	CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	H <sub>7</sub> C <sub>3</sub> —O—CH <sub>2</sub> —CH— CH <sub>3</sub>	Oel	
Ic-136	—(CH <sub>2</sub> ) <sub>2</sub> —CH—(CH <sub>2</sub> ) <sub>2</sub> — CH <sub>3</sub>	CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	CH <sub>3</sub> — cyclohexane— CH <sub>3</sub> —CH <sub>3</sub>	127-129	

Beispiel Nr.	A	B	X	Y	Z <sub>n</sub>	R <sup>2</sup>	Fp.[°C]
Ic-137 (M=S)	—(CH <sub>2</sub> ) <sub>2</sub> —CH—(CH <sub>2</sub> ) <sub>2</sub> — CH <sub>3</sub>	CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	i-C <sub>3</sub> H <sub>7</sub>	Oel	
Ic-138	—CH <sub>2</sub> —CH—CH—(CH <sub>2</sub> ) <sub>2</sub> — CH <sub>3</sub> CH <sub>3</sub>	CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	H <sub>9</sub> C <sub>4</sub> —CH—CH <sub>2</sub> C <sub>2</sub> H <sub>5</sub>	Oel	
Ic-139	—CH <sub>2</sub> —CH—CH—(CH <sub>2</sub> ) <sub>2</sub> — CH <sub>3</sub> CH <sub>3</sub>	CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	C <sub>2</sub> H <sub>5</sub>	Oel	



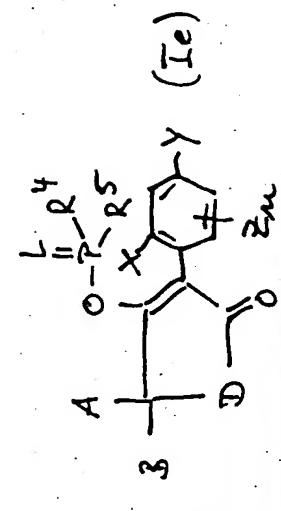
## Verbindungen der Tonale

## Fortsetzung Tabelle 11 (D=0)

Beispiel Nr.	A	B	X	Y	Z <sub>n</sub>	R <sup>3</sup>	Fp.[°C]
Id-7	$-(CH_2)_2-CH-\overset{CH_3}{ }(CH_2)_2-\overset{CH_3}{ }$		CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	CH <sub>3</sub>	132-134
Id-8	$-(CH_2)_2-CH-\overset{CH_3}{ }(CH_2)_2-\overset{CH_3}{ }$		CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	$H_3C-$ 	137-139
Id-9	$-(CH_2)_2-CH-\overset{CH_3}{ }(CH_2)_2-\overset{CH_3}{ }$		CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	$-N(CH_3)_2-$	83-85
Id-10	$-CH_2-\overset{CH_3}{ }CH-\overset{CH_3}{ }(CH_2)_2-\overset{CH_3}{ }$		CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	$H_3C-$ 	Oel

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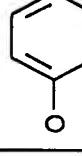
Fortsetzung Tabelle 12 (D=O; L=S; X=Y=CH<sub>3</sub>; Z<sub>n</sub>=6-CH<sub>3</sub>)

Varianten der Formel

Beispiel Nr.	A	B	R <sup>4</sup>	R <sup>5</sup>	Fp. [°C]
Ie-34	-(CH <sub>2</sub> ) <sub>5</sub> -		-CH <sub>3</sub>	-SC <sub>5</sub> H <sub>11</sub> -n	40
Ie-35	-(CH <sub>2</sub> ) <sub>5</sub> -		-CH <sub>3</sub>	-SC <sub>3</sub> H <sub>7</sub>	102
Ie-36	-(CH <sub>2</sub> ) <sub>5</sub> -		-CH <sub>3</sub>	-OC <sub>2</sub> H <sub>5</sub>	169
Ie-37	-(CH <sub>2</sub> ) <sub>5</sub> -		-CH <sub>3</sub>	-OC <sub>3</sub> H <sub>7</sub> -i	78
Ie-38	-(CH <sub>2</sub> ) <sub>5</sub> -		-OC <sub>2</sub> H <sub>5</sub>	OC <sub>2</sub> H <sub>5</sub>	98
Ie-39 L = O	-(CH <sub>2</sub> ) <sub>4</sub> -		-C <sub>2</sub> H <sub>5</sub>	-OC <sub>2</sub> H <sub>5</sub>	58
Ie-40	-(CH <sub>2</sub> ) <sub>5</sub> -	CH <sub>3</sub>		S-(CH <sub>2</sub> ) <sub>2</sub> -i-C <sub>3</sub> H <sub>7</sub>	80
Ie-41	-(CH <sub>2</sub> ) <sub>5</sub> -	OC <sub>2</sub> H <sub>5</sub>		S-s-C <sub>4</sub> H <sub>9</sub>	n <sub>D</sub> <sup>20</sup> = 1,5408
Ie-42	-(CH <sub>2</sub> ) <sub>5</sub> -	C <sub>2</sub> H <sub>5</sub>		O-i-C <sub>4</sub> H <sub>9</sub>	81
Ie-43	-(CH <sub>2</sub> ) <sub>5</sub> -	OC <sub>2</sub> H <sub>5</sub>		O-CH <sub>2</sub> C(CH <sub>3</sub> ) <sub>3</sub>	120
Ie-44	-(CH <sub>2</sub> ) <sub>5</sub> -	CH <sub>3</sub>	O-CH <sub>2</sub> -CH-C <sub>2</sub> H <sub>5</sub> CH <sub>3</sub>	Oel	

Beispiel Nr.	A	B	R <sup>4</sup>	R <sup>5</sup>	Fp. [°C]
Ie-45	-(CH <sub>2</sub> ) <sub>5</sub> -	OC <sub>2</sub> H <sub>5</sub>	O-(CH <sub>2</sub> ) <sub>2</sub> -i-C <sub>3</sub> H <sub>7</sub>	85	
Ie-46	-(CH <sub>2</sub> ) <sub>5</sub> -	OC <sub>2</sub> H <sub>5</sub>	O-CH-   CH <sub>3</sub> -i-C <sub>4</sub> H <sub>9</sub>	n <sub>D</sub> <sup>20</sup> = 1.5018	
Ie-47 L = 0	-(CH <sub>2</sub> ) <sub>5</sub> -	O-i-C <sub>3</sub> H <sub>7</sub>	S-C <sub>3</sub> H <sub>7</sub>	n <sub>D</sub> <sup>20</sup> = 1.5195	
Ie-48 L = 0	-(CH <sub>2</sub> ) <sub>5</sub> -	CH <sub>3</sub>	S-s-C <sub>4</sub> H <sub>9</sub>	75	
Ie-49	-(CH <sub>2</sub> ) <sub>5</sub> -	C <sub>2</sub> H <sub>5</sub>	S-s-C <sub>4</sub> H <sub>9</sub>	n <sub>D</sub> <sup>20</sup> = 1.5585	
Ie-50	-(CH <sub>2</sub> ) <sub>5</sub> -	C <sub>2</sub> H <sub>5</sub>	S-CH <sub>2</sub> -C(CH <sub>3</sub> ) <sub>3</sub>	111	
Ie-51	-(CH <sub>2</sub> ) <sub>5</sub> -	C <sub>2</sub> H <sub>5</sub>	S-CH <sub>2</sub> -CH-   CH <sub>3</sub> -C <sub>2</sub> H <sub>5</sub>	56	
Ie-52	-(CH <sub>2</sub> ) <sub>2</sub> -CH-(CH <sub>2</sub> ) <sub>2</sub> -   CH <sub>3</sub>	CH <sub>3</sub>	S-s-C <sub>4</sub> H <sub>9</sub>	n <sub>D</sub> <sup>20</sup> = 1.5585	
Ie-53	-CH <sub>2</sub> -CH-(CH <sub>2</sub> ) <sub>3</sub> -   CH <sub>3</sub>	CH <sub>3</sub>	S-s-C <sub>4</sub> H <sub>9</sub>	n <sub>D</sub> <sup>20</sup> = 1.5601	
Ie-54	-(CH <sub>2</sub> ) <sub>5</sub> -	SCH <sub>3</sub>	O-C <sub>4</sub> H <sub>9</sub>	n <sub>D</sub> <sup>20</sup> = 1.5442	

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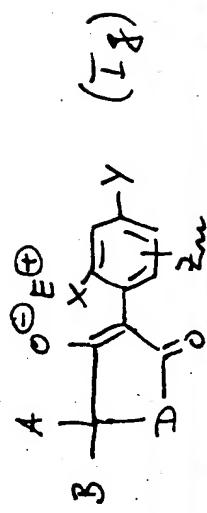
Beispiel Nr.	A	B	R <sup>4</sup>	R <sup>5</sup>	Fp. [°C
Ie-55	$-(\text{CH}_2)_5^-$	$0\text{C}_2\text{H}_5$	$\text{S}-\text{CH}_2-\underset{\text{CH}_3}{\text{CH}}-\text{C}_2\text{H}_5$	$n_D^{20} = 1.5292$	
Ie-56	$-(\text{CH}_2)_5^-$	$0\text{-i-C}_3\text{H}_7$	$\text{S-C}_3\text{H}_7$	$n_D^{20} = 1.5657$	
Ie-57	$-(\text{CH}_2)_5^-$	$\text{C}_2\text{H}_5$		131	
Ie-58	$-(\text{CH}_2)_5^-$	$\text{CH}_3$	$\text{S-i-C}_3\text{H}_7$	$n_D^{20} = 1.5564$	
Ie-59	$-(\text{CH}_2)_5^-$	$0\text{C}_3\text{H}_7$	$\text{S-C}_3\text{H}_7$	$n_D^{20} = 1.5450$	
Ie-60	$-(\text{CH}_2)_5^-$	$0\text{-i-C}_4\text{H}_7$	$\text{S-C}_3\text{H}_7$	76	
Ie-61	$-(\text{CH}_2)_5^-$	$0\text{C}_2\text{H}_5$	$\text{S}-\text{CH}_2-\underset{\text{CH}_3}{\text{CH}}-\text{C}_2\text{H}_5$	$n_D^{20} = 1.5446$	

Beispiel Nr.	A	B	R <sup>4</sup>	R <sup>5</sup>	Fp. [°C]
Ie-62	-(CH <sub>2</sub> ) <sub>5</sub> -	OC <sub>2</sub> H <sub>5</sub>	O-CH <sub>2</sub> CF <sub>3</sub>	76	
Ie-63	-(CH <sub>2</sub> ) <sub>5</sub> -	C <sub>2</sub> H <sub>5</sub>	O-CH(CH <sub>3</sub> )CF <sub>3</sub>	78	
Ie-64	—CH <sub>2</sub> —CH—(CH <sub>2</sub> ) <sub>3</sub> — CH <sub>3</sub>	C <sub>2</sub> H <sub>5</sub>	S-i-C <sub>3</sub> H <sub>7</sub>	n <sub>D</sub> <sup>20</sup> = 1.5600	
Ie-65	—CH <sub>2</sub> —CH—(CH <sub>2</sub> ) <sub>3</sub> — CH <sub>3</sub>	C <sub>2</sub> H <sub>5</sub>	S-s-C <sub>4</sub> H <sub>9</sub>	n <sub>D</sub> <sup>20</sup> = 1.5598	
Ie-66	-(CH <sub>2</sub> ) <sub>5</sub> -	OC <sub>2</sub> H <sub>5</sub>	S-i-C <sub>4</sub> H <sub>9</sub>	n <sub>D</sub> <sup>20</sup> = 1.5497	
Ie-67 L = 0	-(CH <sub>2</sub> ) <sub>5</sub> -	OC <sub>2</sub> H <sub>5</sub>	O-i-C <sub>3</sub> H <sub>7</sub>	32	
Ie-68	-(CH <sub>2</sub> ) <sub>5</sub> -	C <sub>2</sub> H <sub>5</sub>	S-C <sub>3</sub> H <sub>7</sub>	98	

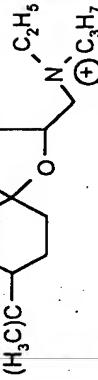
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Beispiel Nr.	A	B	R <sup>4</sup>	R <sup>5</sup>	Fp. [°C]
Ie-69	-(CH <sub>2</sub> ) <sub>4</sub> -	C <sub>2</sub> H <sub>5</sub>		S-(CH <sub>2</sub> ) <sub>2</sub> -i-C <sub>3</sub> H <sub>7</sub>	82
Ie-70	-(CH <sub>2</sub> ) <sub>2</sub> -CH-   CH <sub>3</sub> - -(CH <sub>2</sub> ) <sub>2</sub> -	C <sub>2</sub> H <sub>5</sub>		S-(CH <sub>2</sub> ) <sub>2</sub> -i-C <sub>3</sub> H <sub>7</sub>	86
Ie-71	-(CH <sub>2</sub> ) <sub>4</sub> -	CH <sub>3</sub>		S-C <sub>3</sub> H <sub>7</sub>	102
Ie-72	-(CH <sub>2</sub> ) <sub>2</sub> -CH-   CH <sub>3</sub> - -(CH <sub>2</sub> ) <sub>2</sub> -	CH <sub>3</sub>		S-C <sub>3</sub> H <sub>7</sub>	88
Ie-73 L = 0	-(CH <sub>2</sub> ) <sub>5</sub> -	OC <sub>2</sub> H <sub>5</sub>	O-(CH <sub>2</sub> ) <sub>2</sub> -i-C <sub>3</sub> H <sub>7</sub>	32	

Ie A 28 446-EP

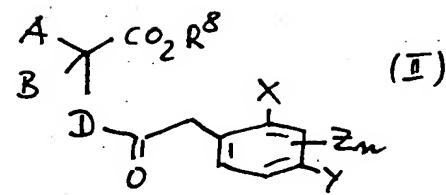


Fortsetzung Tabelle 13 (D=0) *Verbindungen der Formel*

Beispiel Nr.	A	B	X	Y	$Z_n$	$E^\oplus$	Fp [°C]
Ig-2	$-(CH_2)_5^-$	CH <sub>3</sub>	CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	Li $^\oplus$	>250
Ig-3	$-(CH_2)_5^-$	CH <sub>3</sub>	CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	K $^\oplus$	>250
Ig-4	$-(CH_2)_5^-$	CH <sub>3</sub>	CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>		50-55
Ig-5	$-CH_2-CH^+(CH_2)_2-$	CH <sub>3</sub>	CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	Na $^\oplus$	>270
Ig-6	$-(CH_2)_2-\overset{\overset{CH_3}{ }}{CH}-\overset{\overset{CH_3}{ }}{CH}_2-$	CH <sub>3</sub>	CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	Na $^\oplus$	>270

Beispiel Nr.	A	B	X	Y	Z <sub>n</sub>	E'	Fp [°C]
Ig-7	-(CH <sub>2</sub> ) <sub>5</sub> -	CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	Mg <sup>(2+)</sup>		>250
Ig-8	-(CH <sub>2</sub> ) <sub>5</sub> -	Cl	Cl	H	Na <sup>⊕</sup>		
Ig-9	-(CH <sub>2</sub> ) <sub>4</sub> -	CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	Ca <sup>2+</sup> OH <sup>⊖</sup>		>220
Ig-10	-(CH <sub>2</sub> ) <sub>4</sub> -	CH <sub>3</sub>	CH <sub>3</sub>	6-CH <sub>3</sub>	Ca <sup>2+</sup>		>220

## Verbindungen der Formel



(Ph = Phenyl, Me = Methyl, Et = Ethyl, Pr = Propyl, Bu = Butyl)

Bsp	A	B	D	X	Y	Zn	R8	Fp
8A	Ph	Me	O	Me	Me	6-Me	Me	Oel
9A	Ph	Ph	O	Me	Me	6-Me	Me	Oel
10A	C10H21	H	O	Me	Me	6-Me	Me	Oel
11A	-(CH <sub>2</sub> ) <sub>2</sub> -	H	O	Me	Me	6-Me	Me	Oel
12A	-(CH <sub>2</sub> ) <sub>4</sub> -	H	O	Me	Me	6-Me	Et	Oel
	1H-NMR (CDCl <sub>3</sub> ): 1.25 (t,3H), 1.7-2.4 (m,8H), 2.3 (s,3H), 2.4(s,6H), 3.75(s,2H), 4.2(q,2H), 6.9(s,2H) ppm							
	IR (neat): 3000(s), 1740(s), 1620(w), 1580(w), 1440(m), 1370(m), 1270(s), 1150(s), 1070(s), 1030(s), 960(w), 850(m) cm <sup>-1</sup> .							
13A	-(CH <sub>2</sub> ) <sub>6</sub> -	H	O	Me	Me	6-Me	Et	Oel
14A	Et	Et	O	Me	Me	6-Me	Me	Oel
15A	-(CH <sub>2</sub> ) <sub>2</sub> -CHtBu-(CH <sub>2</sub> ) <sub>2</sub> -		O	Me	Me	6-Me	Et	Oel
16A	C <sub>6</sub> H <sub>11</sub>	H	O	Me	Me	6-Me	Me	Oel
17A	-CH <sub>2</sub> -CHMe-(CH <sub>2</sub> ) <sub>3</sub> -		O	Me	Me	6-Me	Et	Oel
18A	-(CH <sub>2</sub> ) <sub>2</sub> -CHMe-(CH <sub>2</sub> ) <sub>2</sub> -		O	Me	Me	6-Me	Et	Oel
19A	-(CH <sub>2</sub> ) <sub>7</sub> -		O	Me	Me	6-Me	Et	Oel
20A	-CHMe-(CH <sub>2</sub> ) <sub>4</sub> -		O	Me	Me	6-Me	Et	Oel
21A	-(CH <sub>2</sub> ) <sub>2</sub> -CHPh-(CH <sub>2</sub> ) <sub>2</sub> -		O	Me	Me	6-Me	Et	Oel
22A	Et	Me	O	Me	Me	6-Me	Me	Oel
23A	tBu	H	O	Me	Me	6-Me	Me	Oel
24A	-CH <sub>2</sub> -CMe <sub>2</sub> -CH <sub>2</sub> -CHMe-CH <sub>2</sub> -		O	Me	Me	6-Me	Et	Oel
25A	CH=CH <sub>2</sub>	Me	O	Me	Me	6-Me	Et	Oel
26A	-CMe <sub>2</sub> -CMe <sub>2</sub> -		O	Me	Me	6-Me	Me	Oel
27A	iPr	Me	O	Me	Me	6-Me	Et	Oel
28A	spiro-Tetralin-2-yl		O	Me	Me	6-Me	Et	Oel
29A	s-Bu	Me	O	Me	Me	6-Me	Et	Oel
30A	CF <sub>3</sub>	Me	O	Me	Me	6-Me	Et	Oel
31A	Cyclohexen-1-yl, H	H	O	Me	Me	6-Me	Et	Oel
32A	Ph-(CH <sub>2</sub> ) <sub>2</sub> -	Me	O	Me	Me	6-Me	Et	Oel
33A	iPr	H	O	Me	Me	6-Me	Me	Oel
34A	PhCH <sub>2</sub>	PhCH <sub>2</sub>	O	Me	Me	6-Me	Et	Oel

35A	PhCH <sub>2</sub>	Me	O	Me	Me	6-Me	Et	Oel
36A	C <sub>6</sub> H <sub>11</sub>	Me	O	Me	Me	6-Me	Et	Oel
37A	-(CH <sub>2</sub> ) <sub>2</sub> -CHEt-(CH <sub>2</sub> ) <sub>2</sub> -	O	Me	Me	6-Me	Et	Oel	
38A	-CH <sub>2</sub> -CHMe-CHMe-(CH <sub>2</sub> ) <sub>2</sub> -	O	Me	Me	6-Me	Et	Oel	
39A	-CH <sub>2</sub> -CMe <sub>2</sub> -CH <sub>2</sub> -CMe <sub>2</sub> -CH <sub>2</sub> -	O	Me	Me	6-Me	Et	Oel	
40A	-CH <sub>2</sub> -CHMe-CH <sub>2</sub> -CHMe-CH <sub>2</sub> -	O	Me	Me	6-Me	Et	Oel	
41A	-(CH <sub>2</sub> ) <sub>2</sub> -CMe <sub>2</sub> -(CH <sub>2</sub> ) <sub>2</sub> -	O	Me	Me	6-Me	Et	Oel	
42A	C <sub>3</sub> H <sub>5</sub>	Me	O	Me	Me	6-Me	Et	Oel
43A	-(CH <sub>2</sub> ) <sub>2</sub> -CHiPr-(CH <sub>2</sub> ) <sub>2</sub> -	O	Me	Me	6-Me	Et	Oel	
44A	-(CH <sub>2</sub> ) <sub>2</sub> -CHnPr-(CH <sub>2</sub> ) <sub>2</sub> -	O	Me	Me	6-Me	Et	Oel	
45A	-(CH <sub>2</sub> ) <sub>2</sub> -CHCF <sub>3</sub> -(CH <sub>2</sub> ) <sub>2</sub> -	O	Me	Me	6-Me	Et	Oel	
46A	-(CH <sub>2</sub> ) <sub>2</sub> -CH(C <sub>6</sub> H <sub>11</sub> )-(CH <sub>2</sub> ) <sub>2</sub> -	O	Me	Me	6-Me	Et	Oel	
47A	-(CH <sub>2</sub> ) <sub>2</sub> -spiro-C <sub>6</sub> H <sub>11</sub> -(CH <sub>2</sub> ) <sub>2</sub> -	O	Me	Me	6-Me	Et	Oel	
48A	-CHMe-(CH <sub>2</sub> ) <sub>3</sub> -	O	Me	Me	6-Me	Et	Oel	
49A	-CH <sub>2</sub> -CHMe-(CH <sub>2</sub> ) <sub>2</sub> -	O	Me	Me	6-Me	Et	Oel	
50A	-CH <sub>2</sub> -CHCF <sub>3</sub> -CH <sub>2</sub> -CHCF <sub>3</sub> -CH <sub>2</sub> -	O	Me	Me	6-Me	Et	Oel	
51A	-(CH <sub>2</sub> ) <sub>2</sub> -S-(CH <sub>2</sub> ) <sub>2</sub> -	O	Me	Me	6-Me	Et	Oel	
52A	-(CH <sub>2</sub> ) <sub>3</sub> -	O	Me	Me	6-Me	Et	Oel	
53A	C <sub>8</sub> H <sub>17</sub>	Me	O	Me	Me	6-Me	Et	Oel
54A	-(CH <sub>2</sub> ) <sub>2</sub> -CnPr <sub>2</sub> -(CH <sub>2</sub> ) <sub>2</sub> -	O	Me	Me	6-Me	Et	Oel	
55A	-(CH <sub>2</sub> ) <sub>2</sub> -O-(CH <sub>2</sub> ) <sub>2</sub> -	O	Me	Me	6-Me	Et	Oel	
56A	-CH <sub>2</sub> -CH=CMe-(CH <sub>2</sub> ) <sub>2</sub> -	O	Me	Me	6-Me	Me	Oel	
57A	spiro-Indan-2-yl	O	Me	Me	6-Me	Et	Oel	
58A	-(CH <sub>2</sub> ) <sub>2</sub> -S-CH <sub>2</sub> -	O	Me	Me	6-Me	Et	Oel	
59A	CMe=CH <sub>2</sub>	H	O	Me	Me	6-Me	Et	Oel
60A	-(CH <sub>2</sub> ) <sub>2</sub> -CH(CO <sub>2</sub> Et)-(CH <sub>2</sub> ) <sub>2</sub> -	O	Me	Me	6-Me	Et	Oel	
61A	-(CH <sub>2</sub> ) <sub>5</sub> -	O	Me	Me	3-F,6-Me	Et	Oel	
62A	-(CH <sub>2</sub> ) <sub>2</sub> -CHMe-(CH <sub>2</sub> ) <sub>2</sub> -	O	Me	Me	-	Et	Oel	
63A	-(CH <sub>2</sub> ) <sub>4</sub> -	O	Me	Me	-	Et	Oel	
64A	-CH <sub>2</sub> -CHMe-(CH <sub>2</sub> ) <sub>2</sub> -	O	Me	Me	-	Et	Oel	
65A	iPr	Me	O	Me	Me	-	Et	Oel
66A	-CH <sub>2</sub> -CHMe-(CH <sub>2</sub> ) <sub>3</sub> -	O	Me	Me	-	Et	Oel	
67A	-CH <sub>2</sub> -CHMe-CHMe-(CH <sub>2</sub> ) <sub>2</sub> -	O	Me	Me	-	Et	Oel	
68A	Me	Me	O	Me	Me	-	Et	Oel
69A	-(CH <sub>2</sub> ) <sub>5</sub> -	O	Me	Me	-	Et	Oel	
70A		H	O	Cl	Cl	-	Et	Oel

71A	Me	Me	O	Cl	Cl	-	Et	Oel
72A	Ph	H	O	Cl	Cl	-	Et	Oel
73A	Ph	Me	O	Cl	Cl	-	Et	Oel
74A	-(CH <sub>2</sub> ) <sub>5</sub> -		O	Cl	Cl	-	Et	Oel
75A	H	H	O	Cl	Cl	-	Et	Oel
76A	-(CH <sub>2</sub> ) <sub>2</sub> -CHMe-(CH <sub>2</sub> ) <sub>2</sub> -		O	Cl	Cl	-	Et	Oel
77A	-CH <sub>2</sub> -CHMe-(CH <sub>2</sub> ) <sub>3</sub> -		O	Cl	Cl	-	Et	Oel
78A	iPr	Me	O	Cl	Cl	-	Et	Oel
79A	-(CH <sub>2</sub> ) <sub>4</sub> -		O	Cl	Cl	-	Et	Oel
80A	-CH <sub>2</sub> -CHMe-CHMe-(CH <sub>2</sub> ) <sub>2</sub> -		O	Cl	Cl	-	Et	Oel
81A	Me	H	O	Cl	-	6-Cl	Et	Oel
82A	Ph	Me	O	Cl	-	6-Cl	Et	Oel
83A	Me	Me	O	Cl	-	6-Cl	Et	Oel
84A	H	H	O	Cl	-	6-Cl	Et	Oel
85A	-(CH <sub>2</sub> ) <sub>5</sub> -		O	Cl	-	6-Cl	Et	Oel
86A	Ph	H	O	Cl	-	6-Cl	Et	Oel
87A	Me	H	O	F	-	6-Cl	Et	Oel
88A	-(CH <sub>2</sub> ) <sub>5</sub> -		O	F	-	6-Cl	Et	Oel
89A	Ph	H	O	F	-	6-Cl	Et	Oel
90A	H	H	O	F	-	6-Cl	Et	Oel
91A	Me	Me	O	F	-	6-Cl	Et	Oel
92A	H	H	O	F	-	6-F	Et	Oel